

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139391.D
 Acq On : 16 Sep 2024 21:12
 Operator : RC/JU
 Sample : P3980-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/17/2024
 Supervised By :mohammad ahmed 09/19/2024

Quant Time: Sep 17 01:39:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	56046	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	187630	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	87007	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	140946	20.000	ng	0.00
76) Chrysene-d12	14.039	240	73749	20.000	ng	0.00
86) Perylene-d12	15.510	264	65180	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	133910	38.978	ng	0.00
7) Phenol-d6	6.504	99	171358	38.000	ng	0.00
23) Nitrobenzene-d5	7.439	82	106845	26.770	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	30994	33.460	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	181010	29.178	ng	0.00
79) Terphenyl-d14	12.980	244	142508	31.717	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.875	142	13473	2.167	ng	98
52) Acenaphthene	9.945	154	47222	8.981	ng	95
55) Dibenzofuran	10.116	168	33311	4.545	ng	# 93
58) Fluorene	10.463	166	51046	8.537	ng	99
71) Phenanthrene	11.427	178	441961	64.994	ng	99
72) Anthracene	11.475	178	139618	21.000	ng	99
73) Carbazole	11.627	167	39541	6.214	ng	95
75) Fluoranthene	12.616	202	799701	110.123	ng	99
78) Pyrene	12.845	202	647165	102.200	ng	98
81) Benzo(a)anthracene	14.027	228	244765	50.104	ng	96
83) Chrysene	14.063	228	193931	43.150	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	71525	18.454	ng	95
88) Benzo(b)fluoranthene	15.080	252	232595m	57.861	ng	
89) Benzo(k)fluoranthene	15.098	252	75446m	20.355	ng	
90) Benzo(a)pyrene	15.451	252	166530	49.951	ng	98
91) Dibenzo(a,h)anthracene	16.992	278	16810	5.249	ng	# 85
92) Benzo(g,h,i)perylene	17.427	276	70006	22.077	ng	96

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

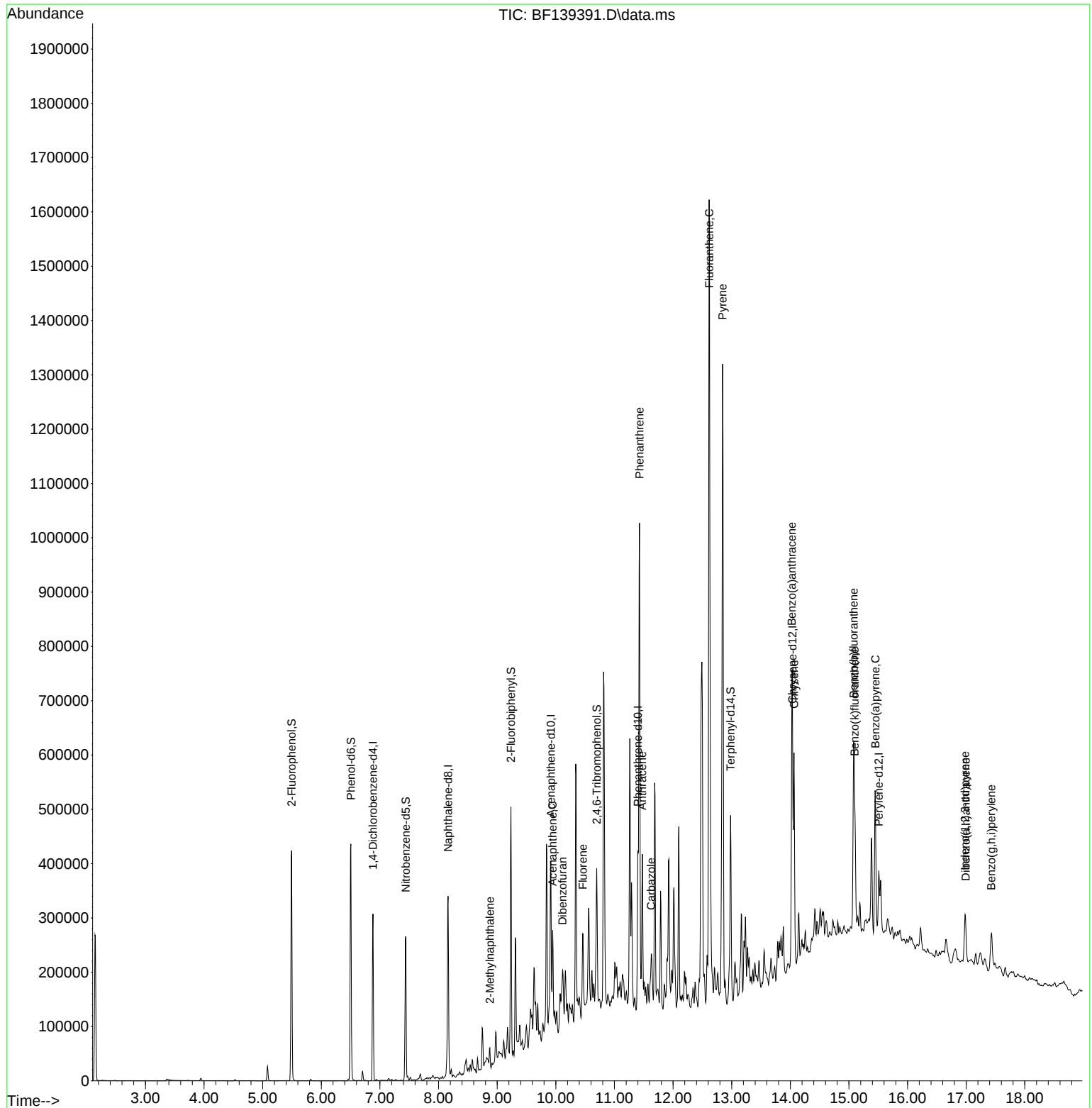
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
Data File : BF139391.D
Acq On : 16 Sep 2024 21:12
Operator : RC/JU
Sample : P3980-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-091224

Quant Time: Sep 17 01:39:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024





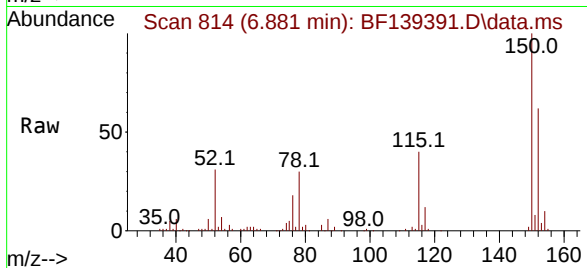
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

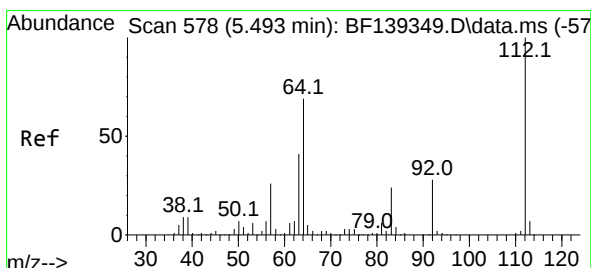
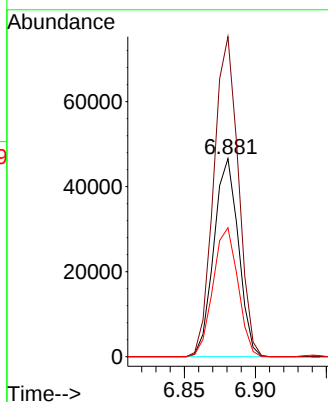
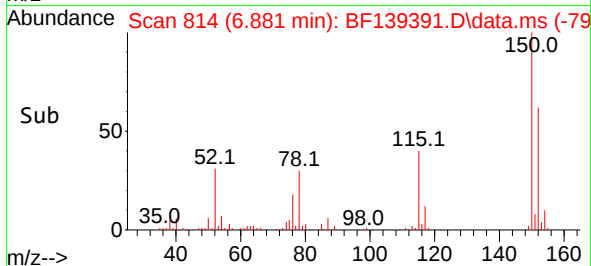


Tgt Ion:152 Resp: 56040
Ion Ratio Lower Upper
152 100
150 161.5 124.1 186.1
115 65.1 48.1 72.1

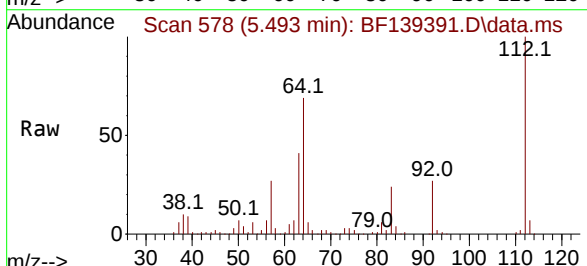
Manual Integrations

APPROVED

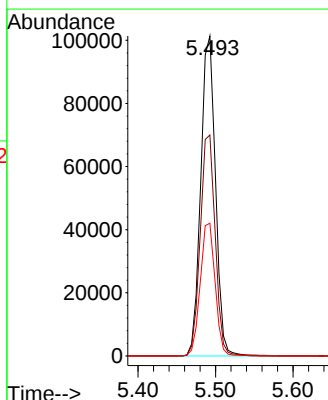
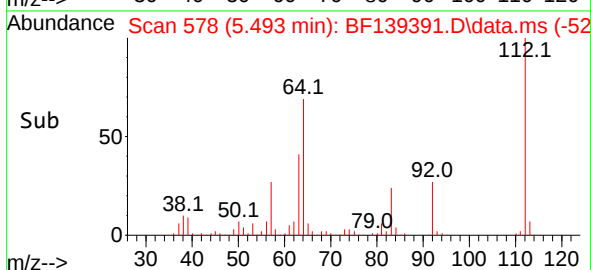
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#5
2-Fluorophenol
Concen: 38.978 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12



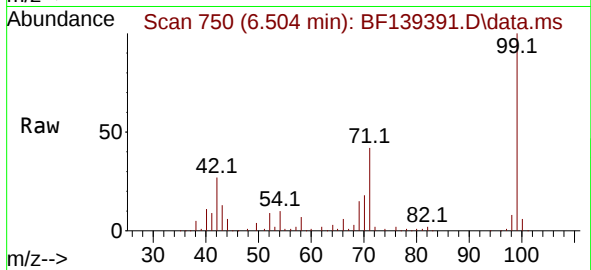
Tgt Ion:112 Resp: 133910
Ion Ratio Lower Upper
112 100
64 69.0 54.8 82.2
63 41.5 33.0 49.4





#7
Phenol-d6
Concen: 38.000 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

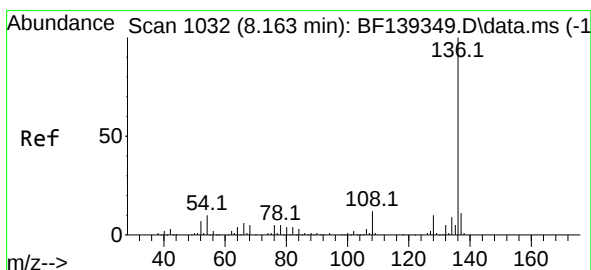
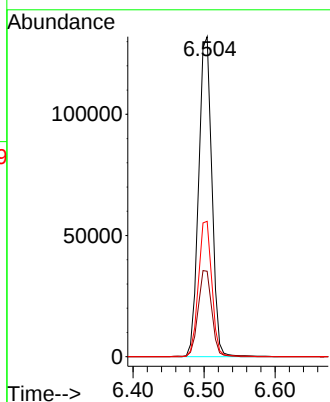
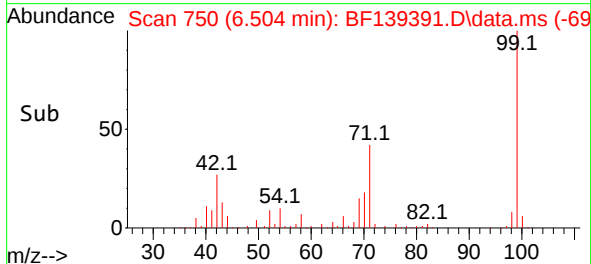
Instrument :
BNA_F
ClientSampleId :
HD-02-091224



Tgt Ion: 99 Resp: 171358
Ion Ratio Lower Upper
99 100
42 26.7 21.9 32.9
71 42.3 34.6 52.0

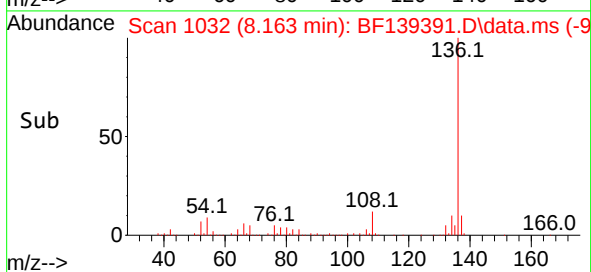
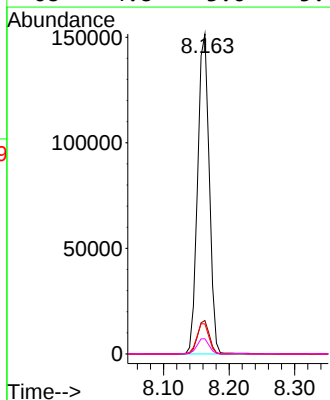
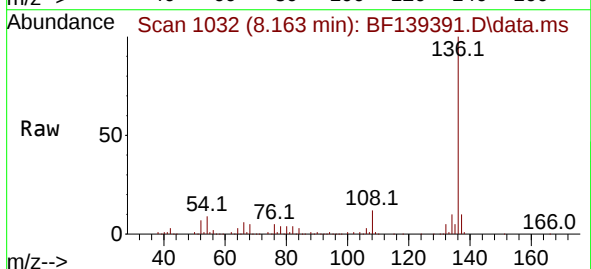
Manual Integrations
APPROVED

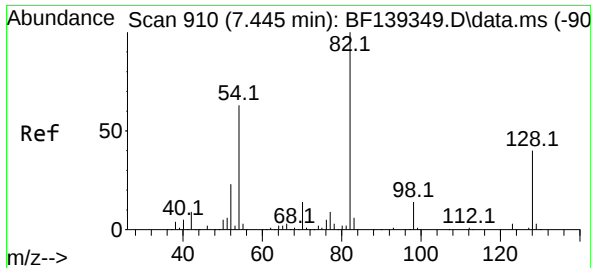
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:136 Resp: 187630
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 9.4 7.8 11.8
68 4.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 26.770 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

Tgt Ion: 82 Resp: 10684

Ion Ratio Lower Upper

82 100

128 39.4 31.8 47.6

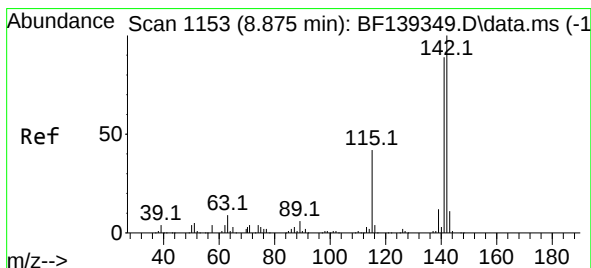
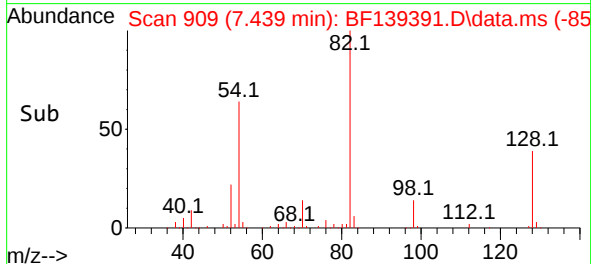
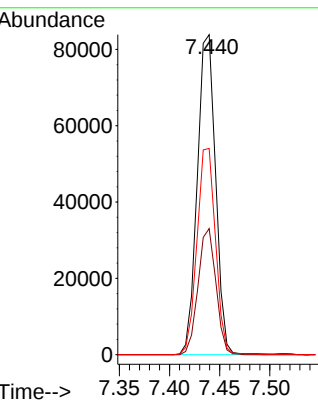
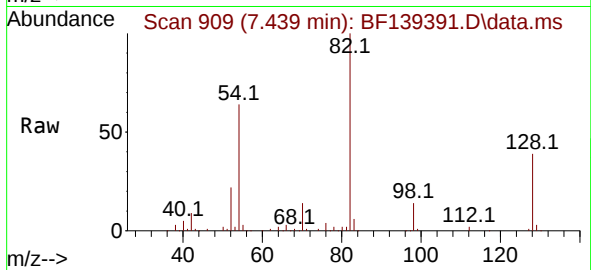
54 64.4 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/17/2024

Supervised By :mohammad ahmed 09/19/2024



#37

2-Methylnaphthalene

Concen: 2.167 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF139391.D

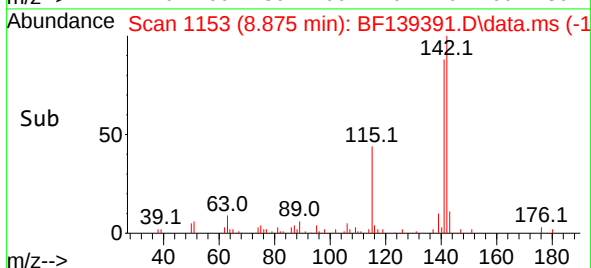
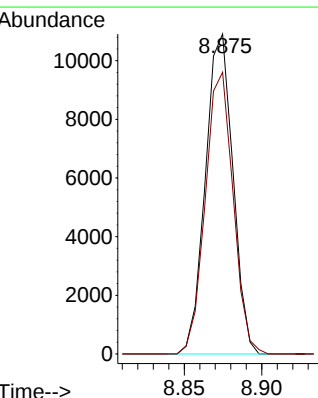
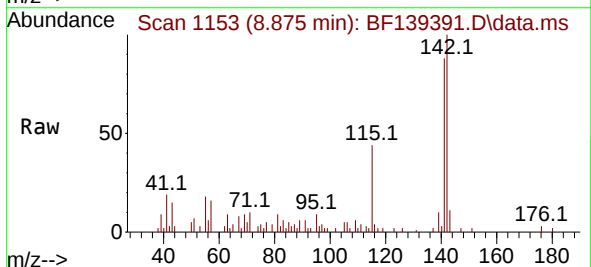
Acq: 16 Sep 2024 21:12

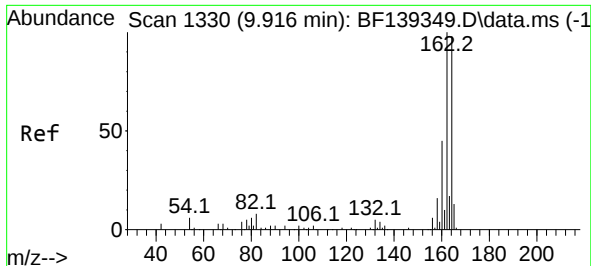
Tgt Ion:142 Resp: 13473

Ion Ratio Lower Upper

142 100

141 88.0 71.6 107.4





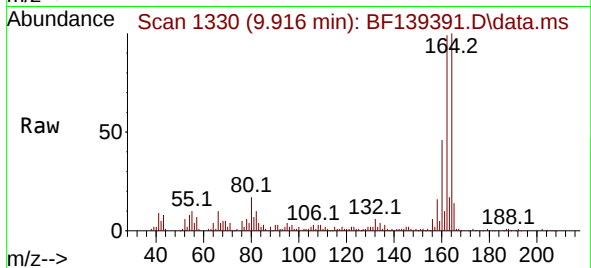
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

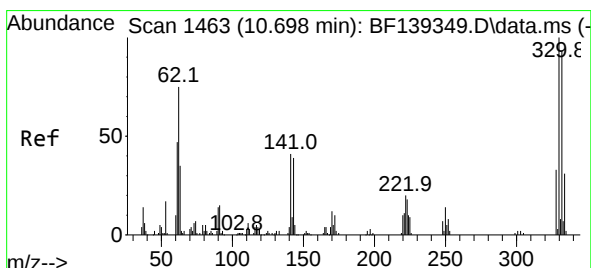
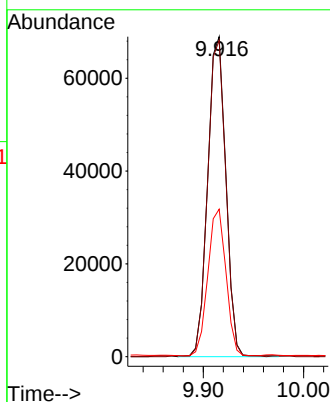
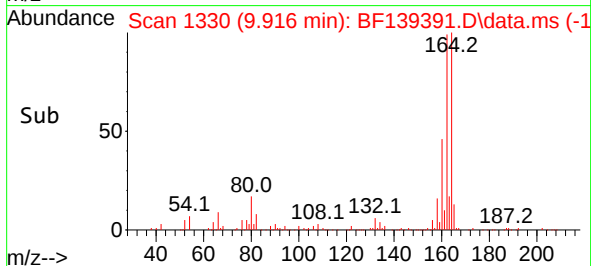


Tgt Ion:164 Resp: 8700
Ion Ratio Lower Upper
164 100
162 98.9 81.3 121.9
160 46.1 36.4 54.6

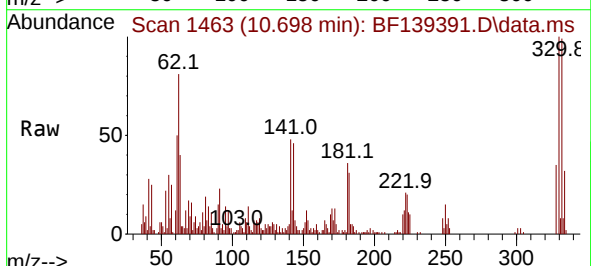
Manual Integrations

APPROVED

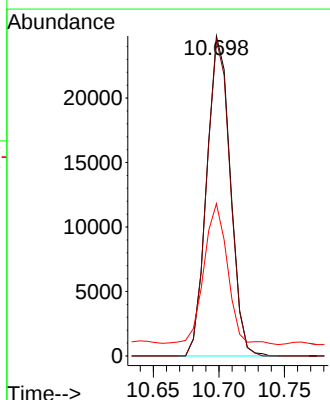
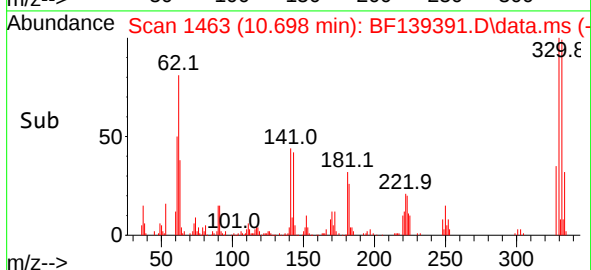
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024

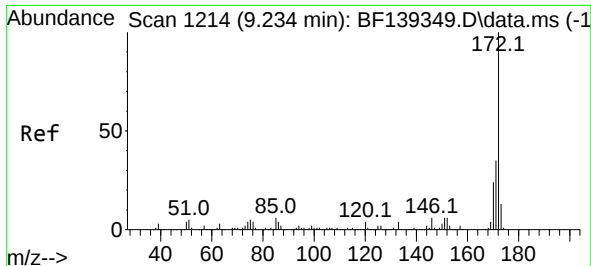


#42
2,4,6-Tribromophenol
Concen: 33.460 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12



Tgt Ion:330 Resp: 30994
Ion Ratio Lower Upper
330 100
332 98.5 75.2 112.8
141 44.7 31.2 46.8





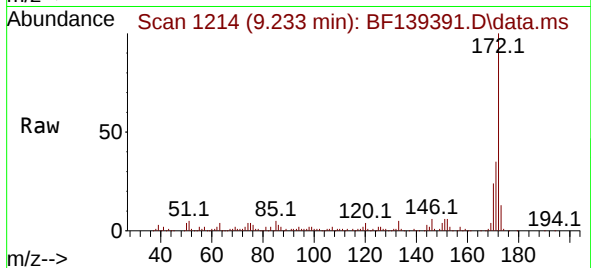
#45
2-Fluorobiphenyl
Concen: 29.178 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

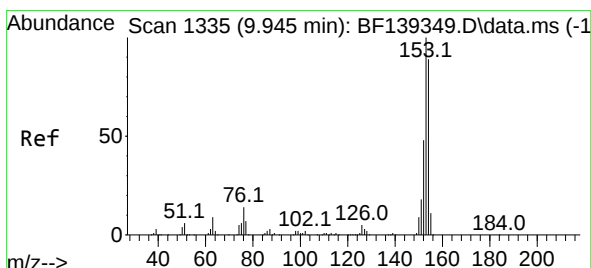
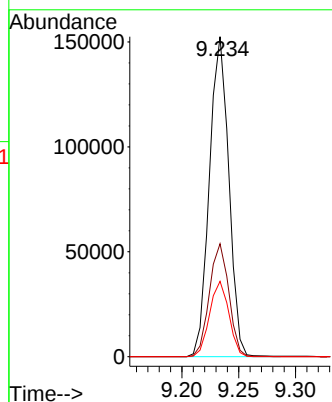
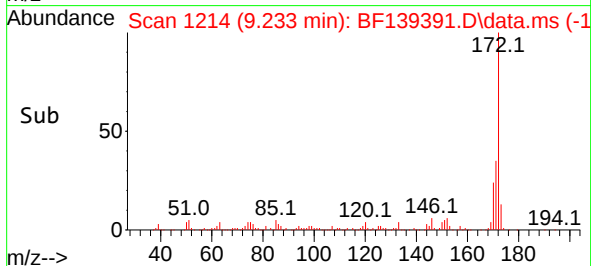


Tgt Ion:172 Resp: 181010
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.5 19.0 28.6

Manual Integrations

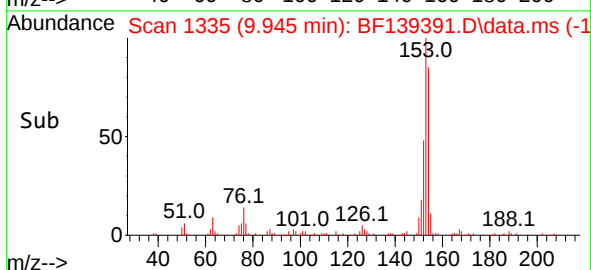
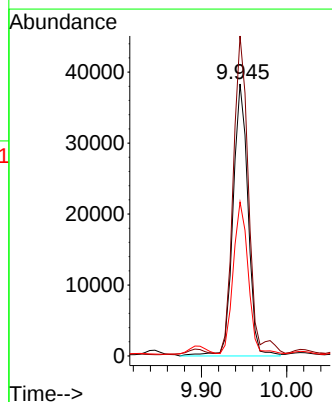
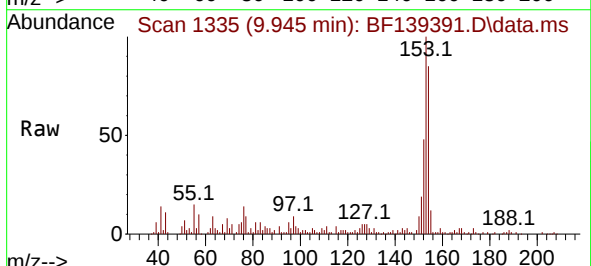
APPROVED

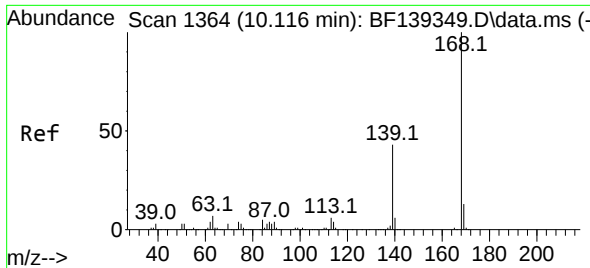
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#52
Acenaphthene
Concen: 8.981 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:154 Resp: 47222
Ion Ratio Lower Upper
154 100
153 117.6 89.5 134.3
152 56.6 42.6 64.0





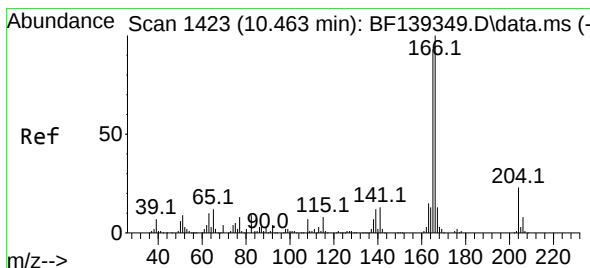
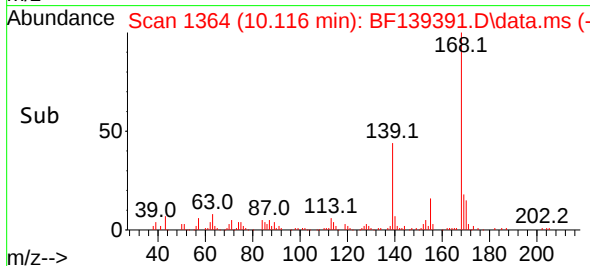
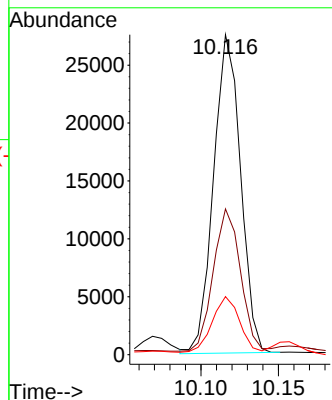
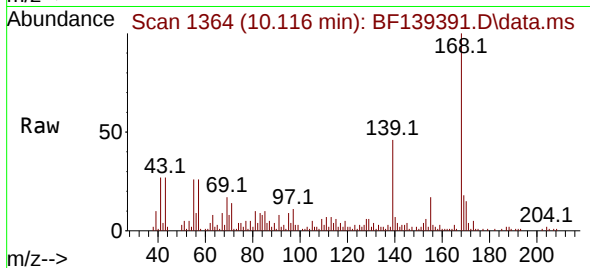
#55
Dibenzenofuran
Concen: 4.545 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Instrument :
BNA_F
ClientSampleId :
HD-02-091224

Tgt Ion:168 Resp: 3331
Ion Ratio Lower Upper
168 100
139 45.5 34.1 51.1
169 18.1 10.5 15.7

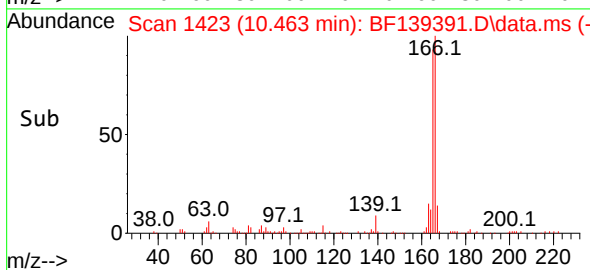
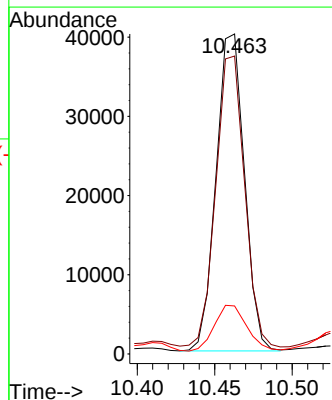
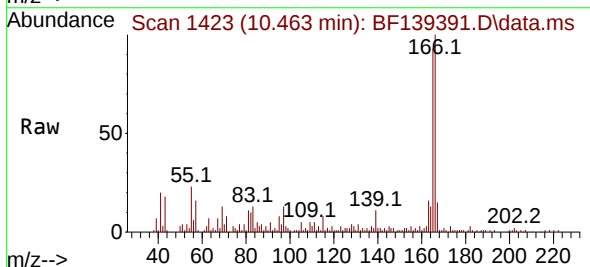
Manual Integrations
APPROVED

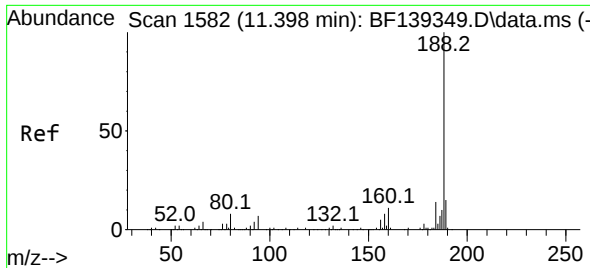
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#58
Fluorene
Concen: 8.537 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

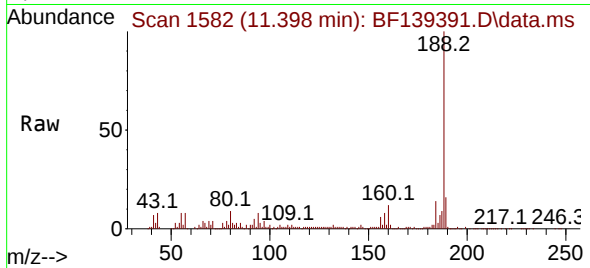
Tgt Ion:166 Resp: 51046
Ion Ratio Lower Upper
166 100
165 93.1 74.5 111.7
167 15.0 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

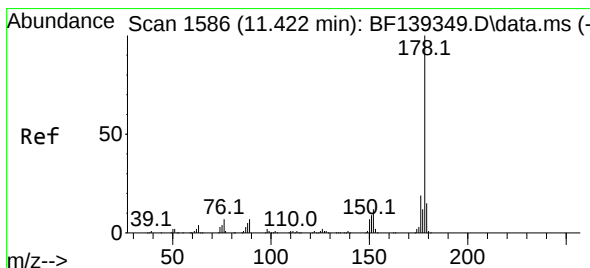
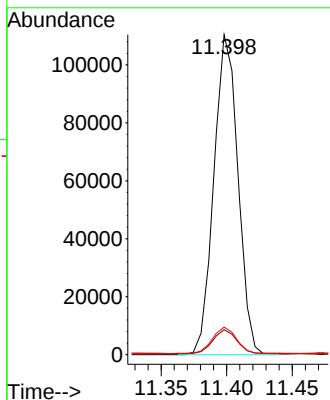
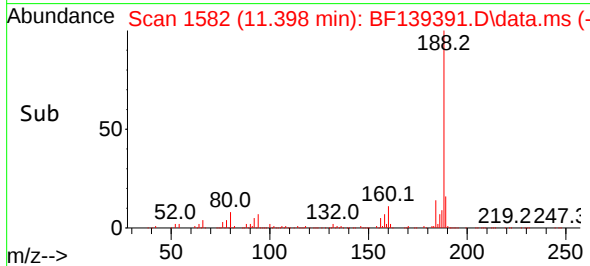
Instrument :
BNA_F
ClientSampleId :
HD-02-091224



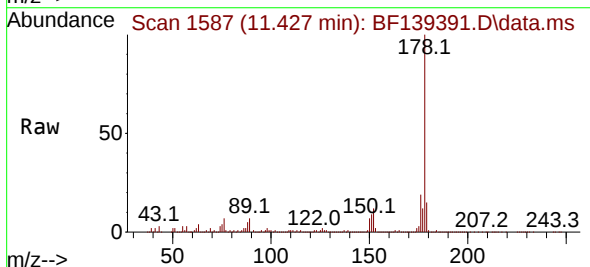
Tgt Ion:188 Resp: 140940
Ion Ratio Lower Upper
188 100
94 7.8 5.5 8.3
80 8.6 6.6 9.8

Manual Integrations
APPROVED

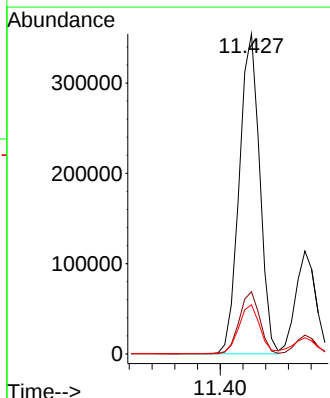
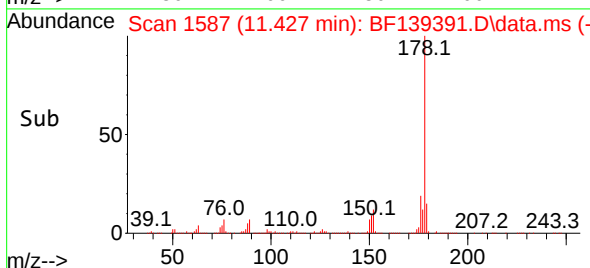
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024

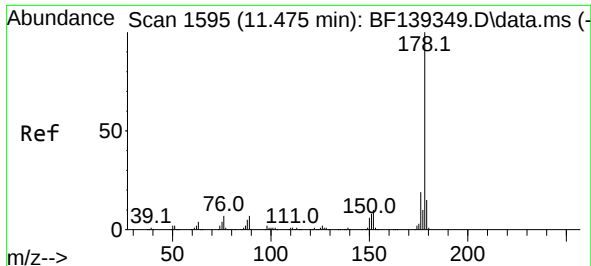


#71
Phenanthrene
Concen: 64.994 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12



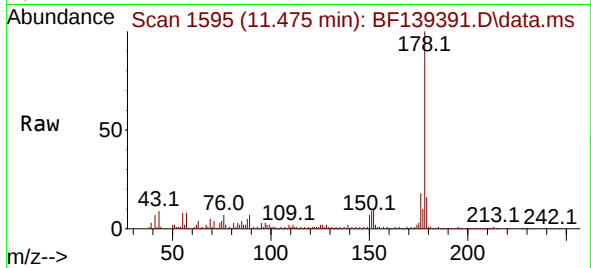
Tgt Ion:178 Resp: 441961
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.3 12.2 18.4





#72
 Anthracene
 Concen: 21.000 ng
 RT: 11.475 min Scan# 1595
 Delta R.T. -0.000 min
 Lab File: BF139391.D
 Acq: 16 Sep 2024 21:12

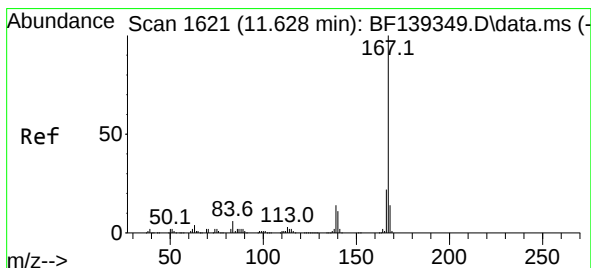
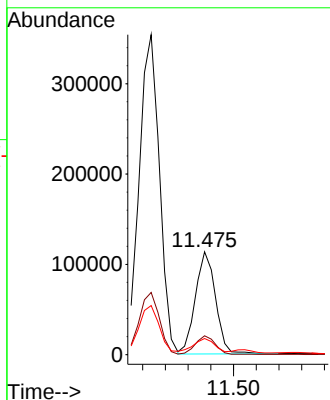
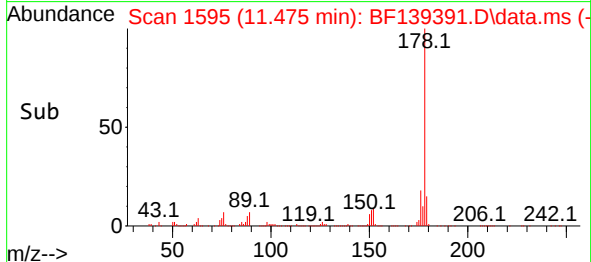
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224



Tgt Ion:178 Resp: 139618
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.6
 179 15.7 12.0 18.0

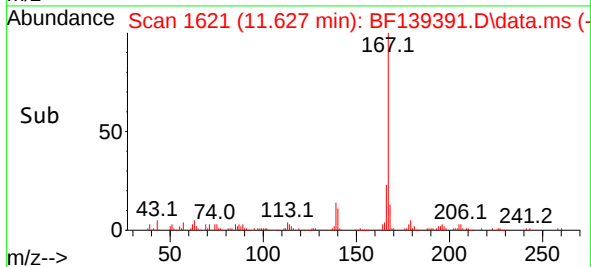
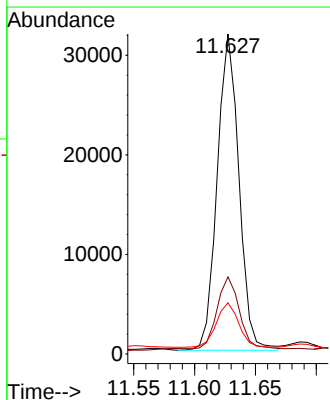
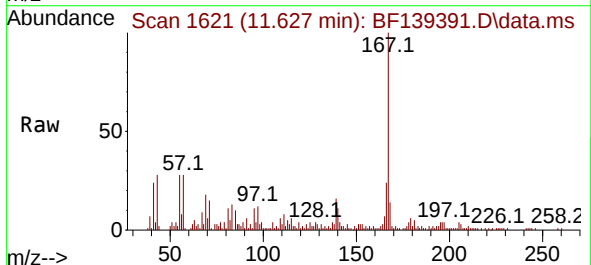
Manual Integrations
 APPROVED

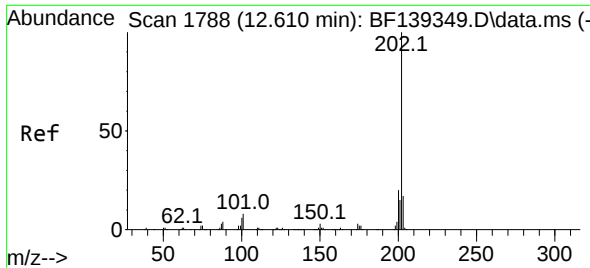
Reviewed By :Jagrut Upadhyay 09/17/2024
 Supervised By :mohammad ahmed 09/19/2024



#73
 Carbazole
 Concen: 6.214 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139391.D
 Acq: 16 Sep 2024 21:12

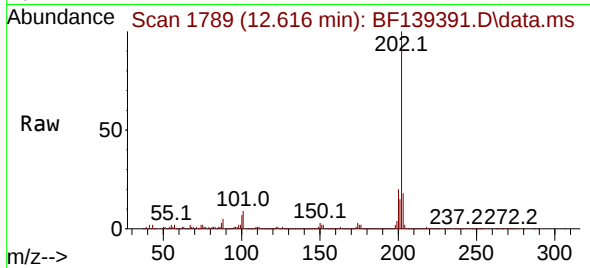
Tgt Ion:167 Resp: 39541
 Ion Ratio Lower Upper
 167 100
 166 24.1 17.5 26.3
 139 16.0 10.9 16.3





#75
Fluoranthene
Concen: 110.123 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

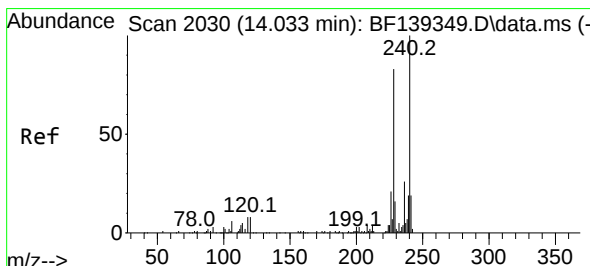
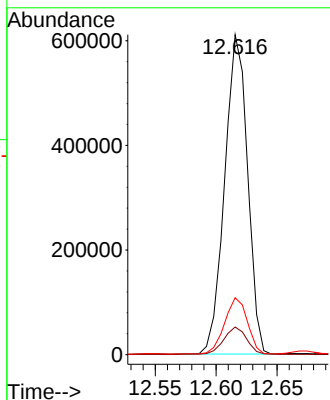
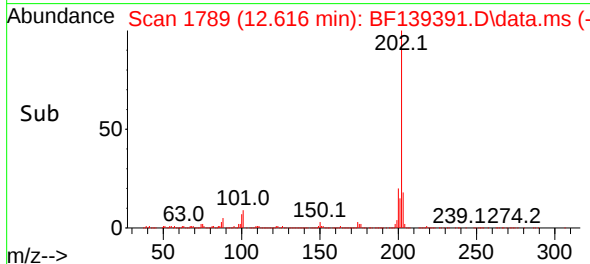
Instrument :
BNA_F
ClientSampleId :
HD-02-091224



Tgt Ion:202 Resp: 79970
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 17.8 0.0 37.4

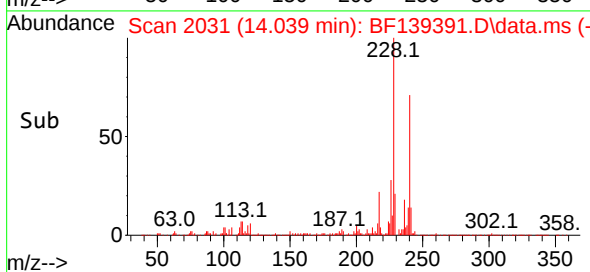
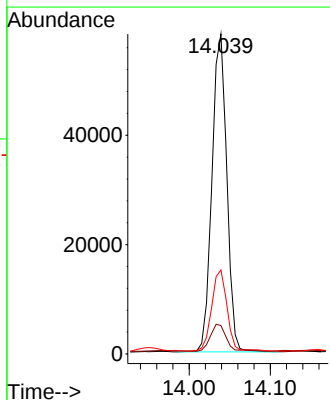
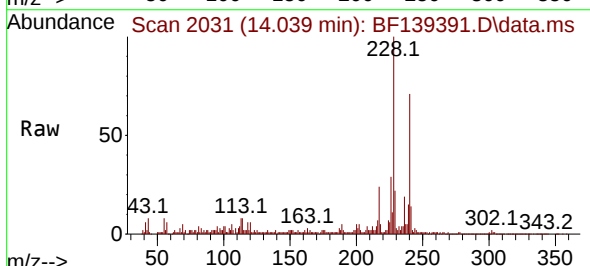
Manual Integrations
APPROVED

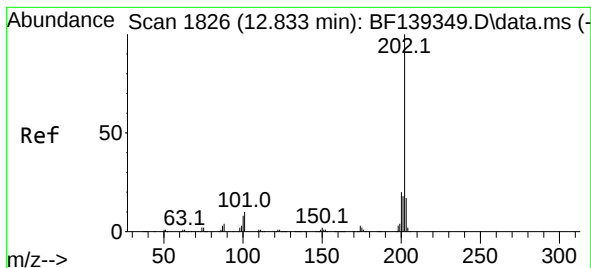
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:240 Resp: 73749
Ion Ratio Lower Upper
240 100
120 8.9 6.2 9.2
236 26.3 20.9 31.3





#78

Pyrene

Concen: 102.200 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.012 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

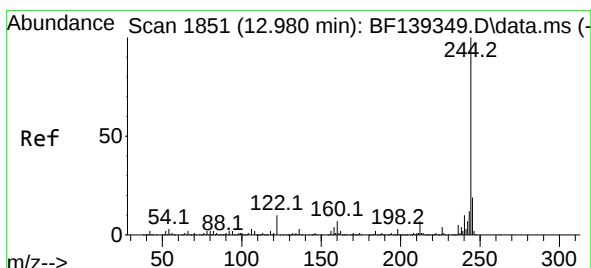
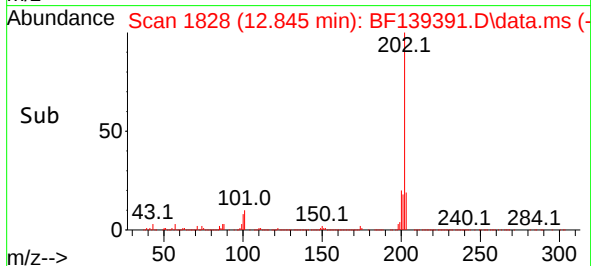
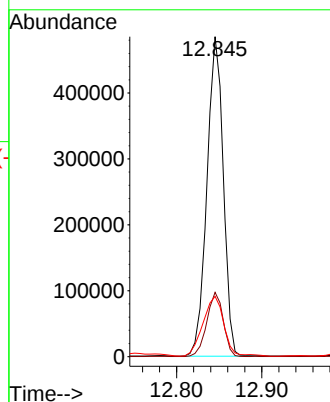
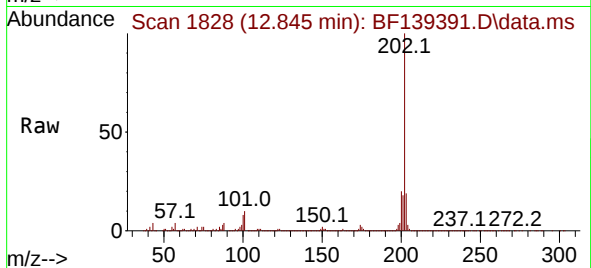
Tgt Ion:202 Resp: 64716

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.2
203	18.9	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#79

Terphenyl-d14

Concen: 31.717 ng

RT: 12.980 min Scan# 1851

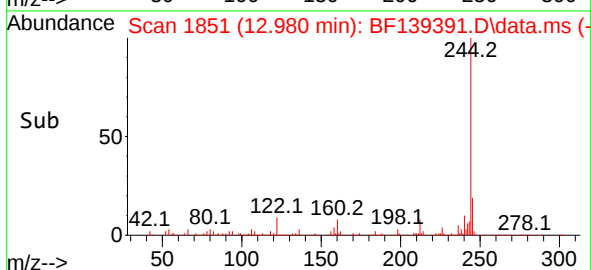
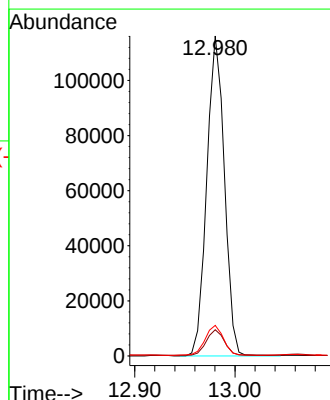
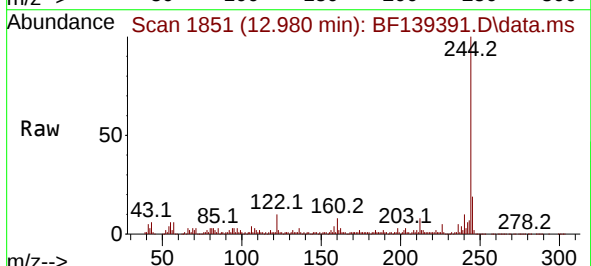
Delta R.T. -0.000 min

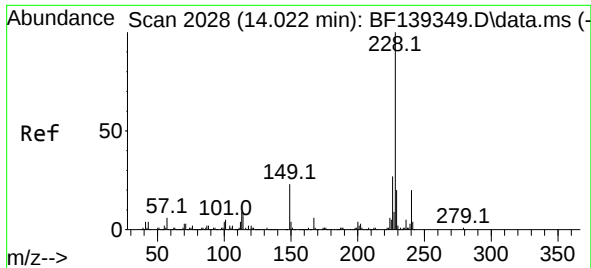
Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

Tgt Ion:244 Resp: 142508

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.0	9.0
122	9.6	7.6	11.4





#81
Benzo(a)anthracene
Concen: 50.104 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

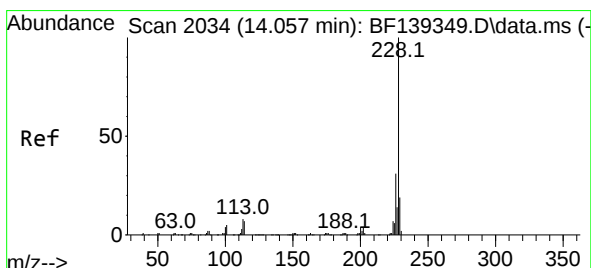
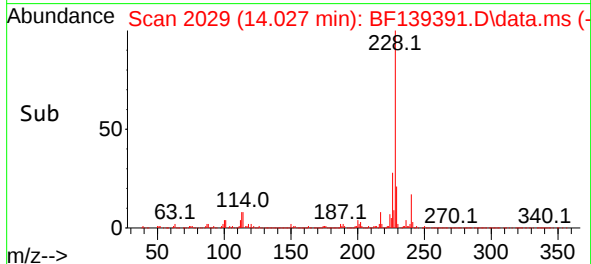
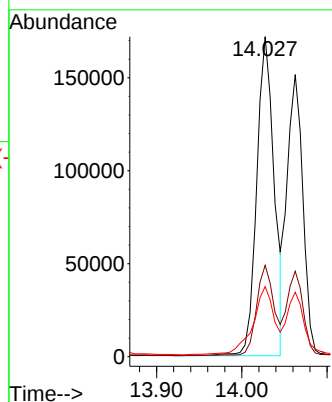
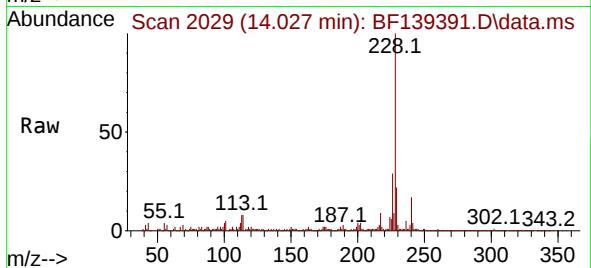
HD-02-091224

Tgt Ion:228 Resp: 244765
Ion Ratio Lower Upper
228 100
226 28.5 21.6 32.4
229 21.9 15.7 23.5

Manual Integrations

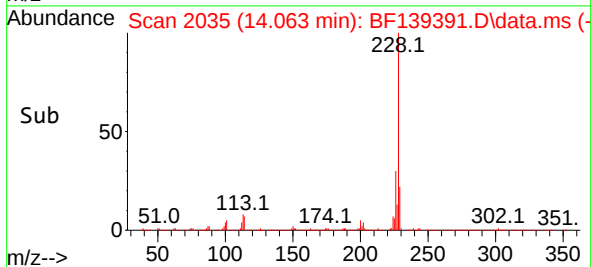
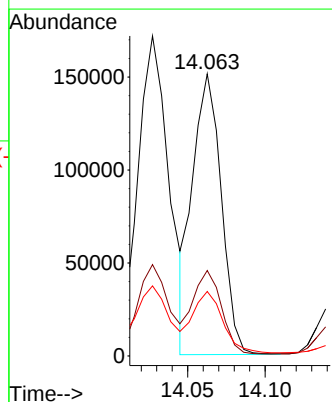
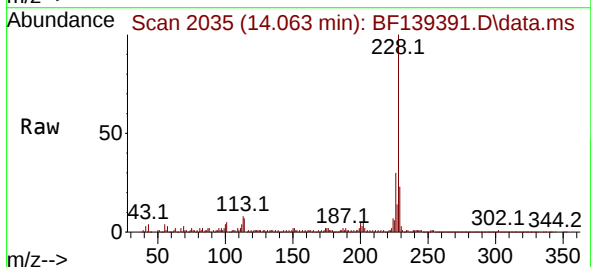
APPROVED

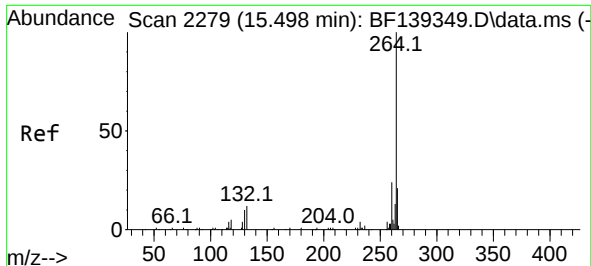
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#83
Chrysene
Concen: 43.150 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:228 Resp: 193931
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 22.9 15.4 23.0





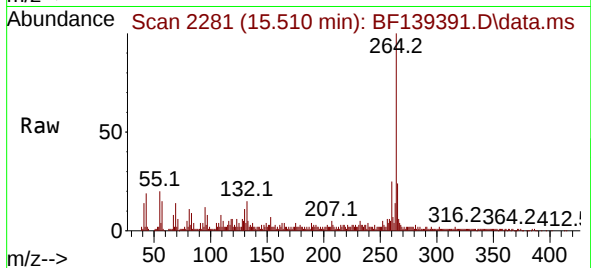
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

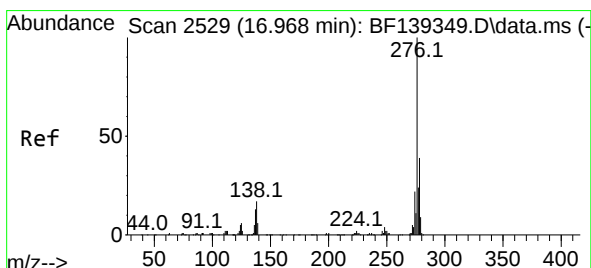
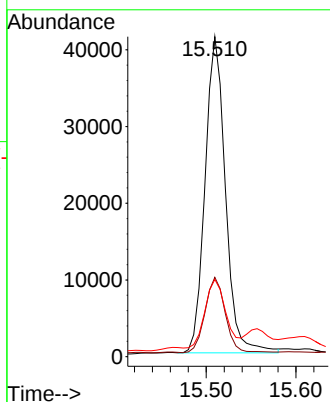
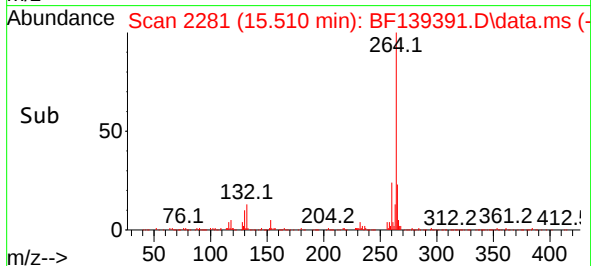


Tgt Ion:264 Resp: 65180
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 24.2 16.6 25.0

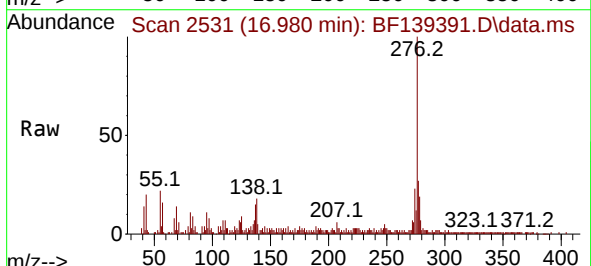
Manual Integrations

APPROVED

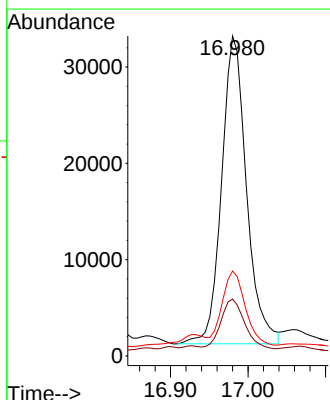
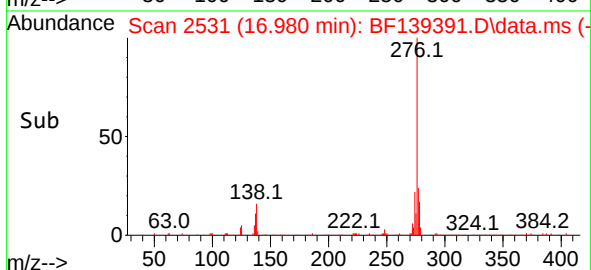
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024

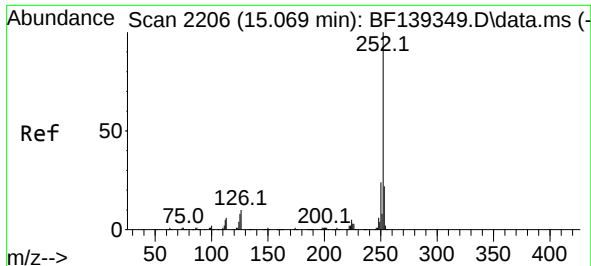


#87
Indeno(1,2,3-cd)pyrene
Concen: 18.454 ng
RT: 16.980 min Scan# 2531
Delta R.T. 0.012 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12



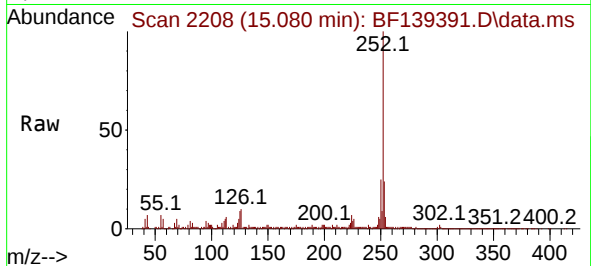
Tgt Ion:276 Resp: 71525
Ion Ratio Lower Upper
276 100
138 16.2 15.4 23.2
277 23.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 57.861 ng m
RT: 15.080 min Scan# 2206
Delta R.T. 0.012 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

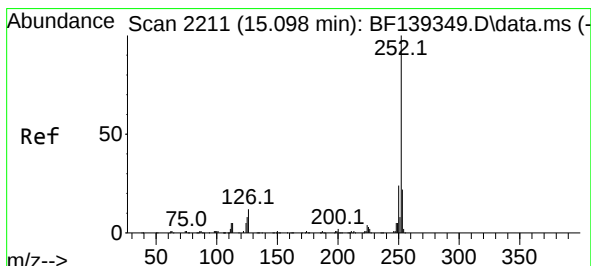
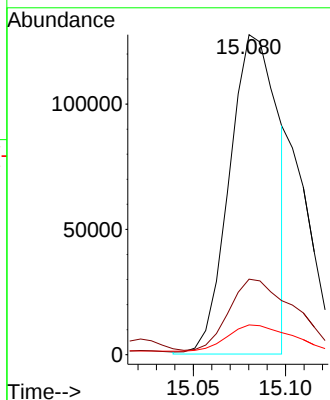
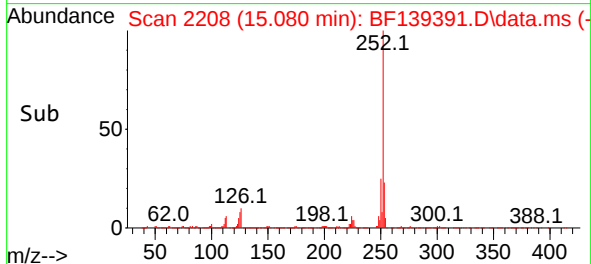
Instrument :
BNA_F
ClientSampleId :
HD-02-091224



Tgt Ion:252 Resp: 23259
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 9.3 6.2 9.2

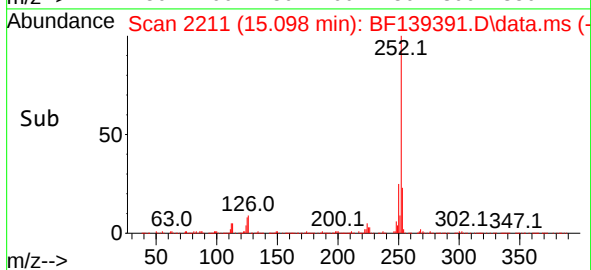
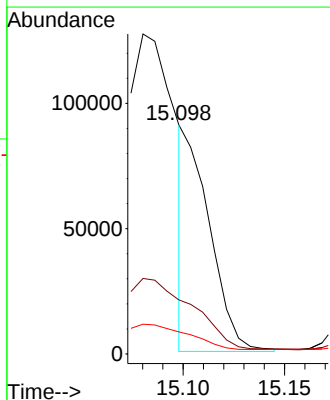
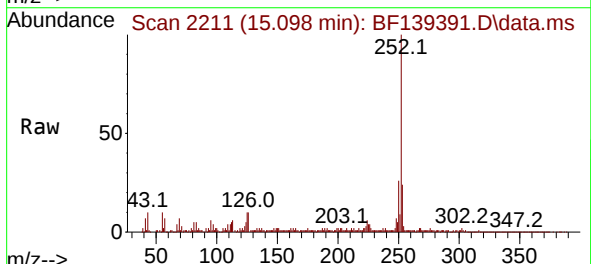
Manual Integrations
APPROVED

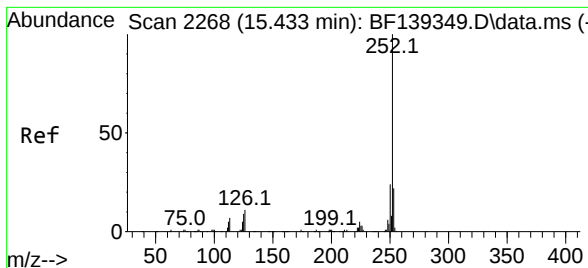
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#89
Benzo(k)fluoranthene
Concen: 20.355 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Tgt Ion:252 Resp: 75446
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 9.6 5.9 8.9





#90

Benzo(a)pyrene

Concen: 49.951 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224

Tgt Ion:252 Resp: 166530

Ion Ratio Lower Upper

252 100

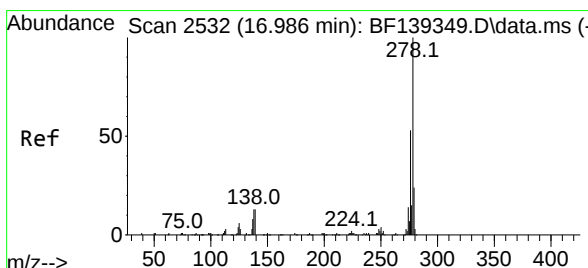
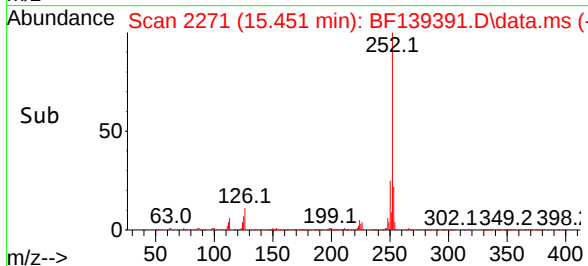
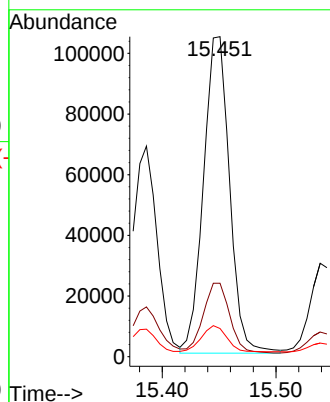
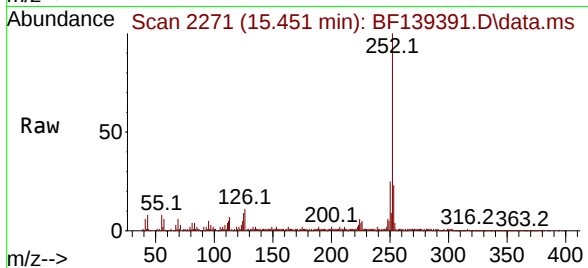
253 23.0 17.3 25.9

125 8.8 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#91

Dibenzo(a,h)anthracene

Concen: 5.249 ng

RT: 16.992 min Scan# 2533

Delta R.T. 0.006 min

Lab File: BF139391.D

Acq: 16 Sep 2024 21:12

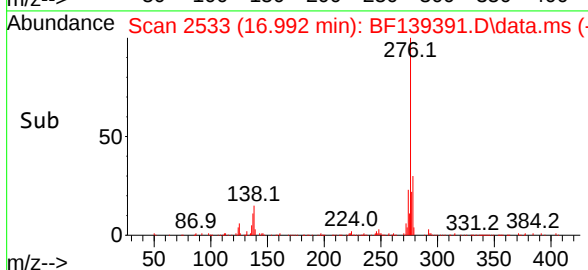
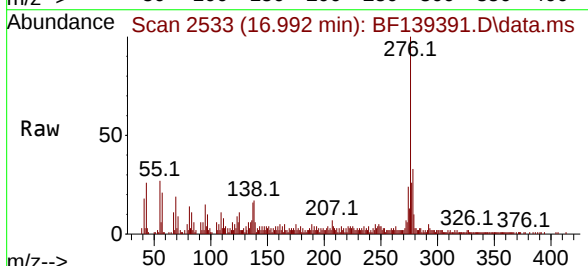
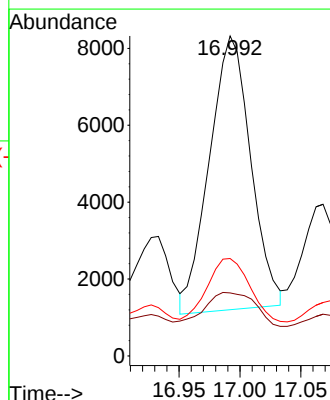
Tgt Ion:278 Resp: 16810

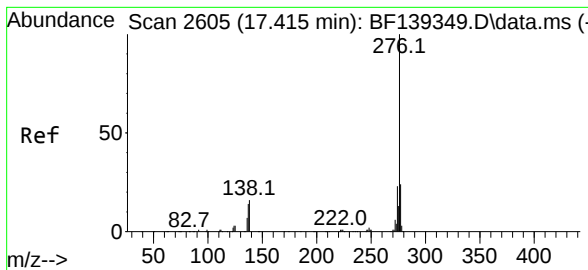
Ion Ratio Lower Upper

278 100

139 19.7 10.2 15.2#

279 30.5 18.9 28.3#





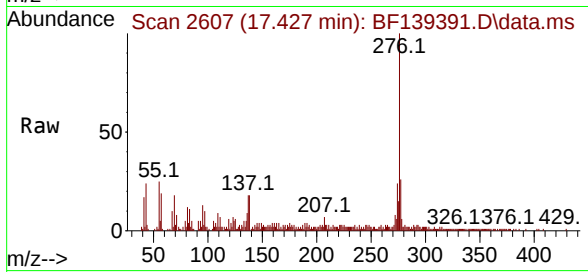
#92
Benzo(g,h,i)perylene
Concen: 22.077 ng
RT: 17.427 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF139391.D
Acq: 16 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

HD-02-091224



Tgt Ion:	276	Resp:	70000
Ion Ratio	Lower	Upper	
276	100		
277	26.3	18.9	28.3
138	17.5	13.0	19.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024

