

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139783.D
 Acq On : 11 Oct 2024 19:08
 Operator : RC/JU
 Sample : P4377-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-100924

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024
 Supervised By :mohammad ahmed 10/15/2024

Quant Time: Oct 12 02:01:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	62245	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	203698	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	101884	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	199392	20.000	ng	0.00
76) Chrysene-d12	14.033	240	126817	20.000	ng	0.00
86) Perylene-d12	15.516	264	98730	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	110967	30.899	ng	0.00
7) Phenol-d6	6.498	99	137190	28.407	ng	0.00
23) Nitrobenzene-d5	7.428	82	76344	18.976	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	27010	27.462	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	143355	21.601	ng	0.00
79) Terphenyl-d14	12.975	244	173629	22.465	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.934	154	20146	3.397	ng	95
58) Fluorene	10.451	166	19632	2.968	ng	95
71) Phenanthrene	11.416	178	251247	26.724	ng	99
72) Anthracene	11.469	178	73013	7.850	ng	99
73) Carbazole	11.628	167	29694	3.324	ng	99
75) Fluoranthene	12.610	202	579908	56.427	ng	100
78) Pyrene	12.839	202	516039	45.496	ng	98
81) Benzo(a)anthracene	14.027	228	238978	28.662	ng	97
83) Chrysene	14.063	228	181714	23.838	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	72232	12.430	ng	95
88) Benzo(b)fluoranthene	15.086	252	194718m	30.502	ng	
89) Benzo(k)fluoranthene	15.098	252	73433m	13.561	ng	
90) Benzo(a)pyrene	15.451	252	137948	27.406	ng	98
91) Dibenzo(a,h)anthracene	17.004	278	17896	3.713	ng	# 78
92) Benzo(g,h,i)perylene	17.445	276	68123	14.093	ng	97

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

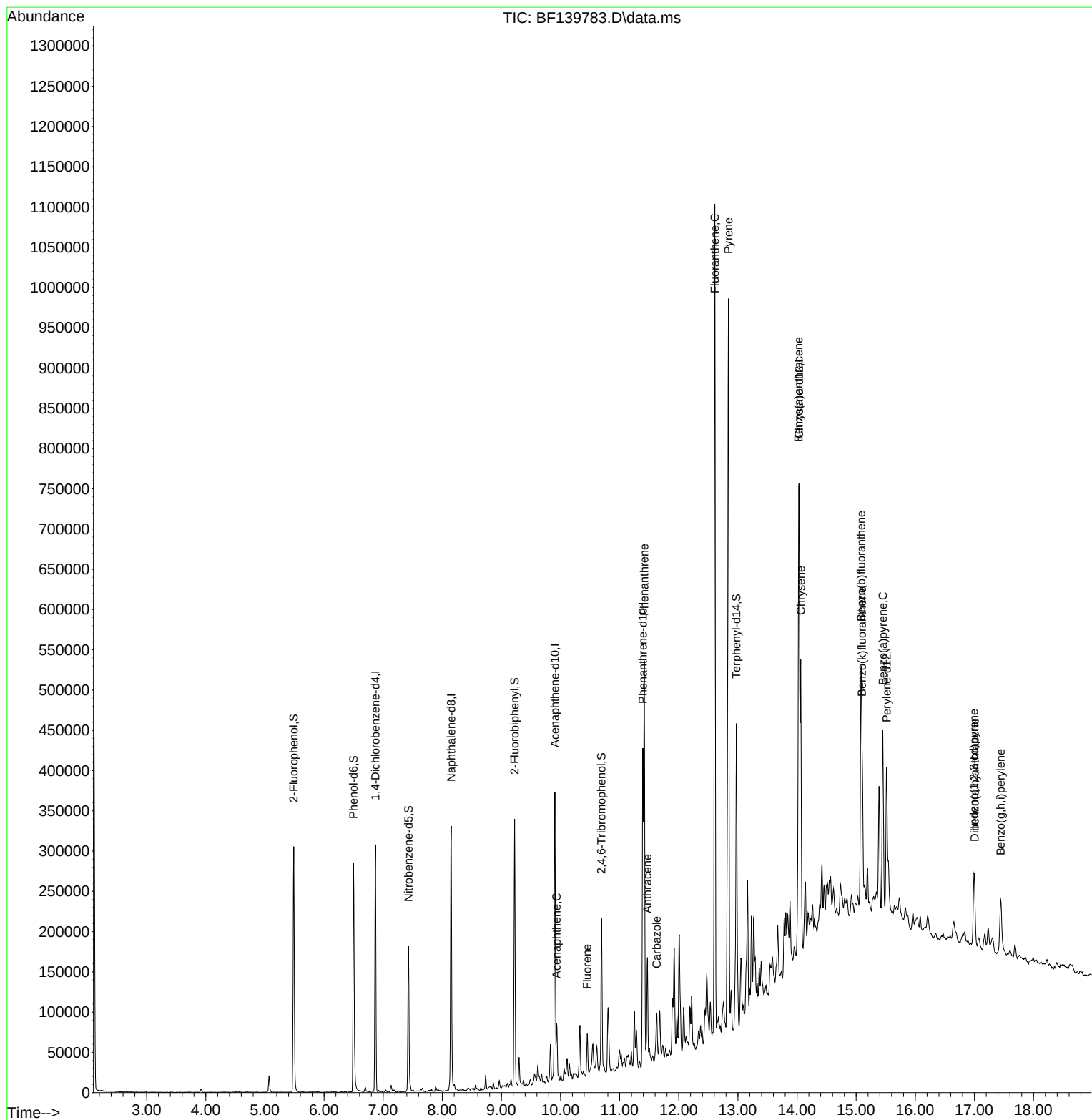
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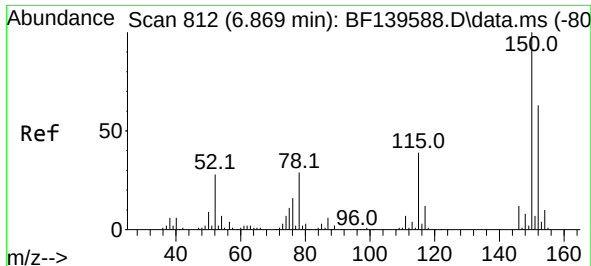
Instrument :
BNA_F
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HD-01-100924

Quant Time: Oct 12 02:01:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
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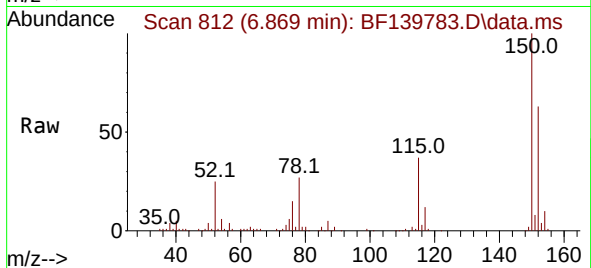
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

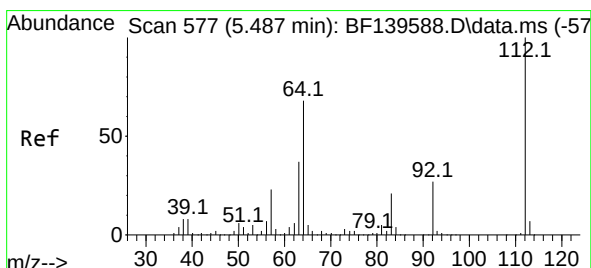
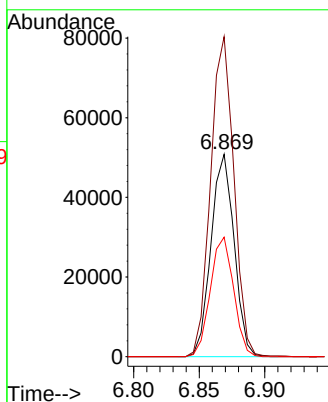
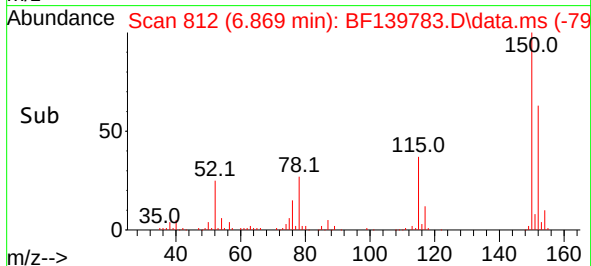
Instrument :
BNA_F
ClientSampleId :
HD-01-100924



Tgt Ion:152 Resp: 6224
Ion Ratio Lower Upper
152 100
150 158.0 127.2 190.8
115 59.1 49.0 73.4

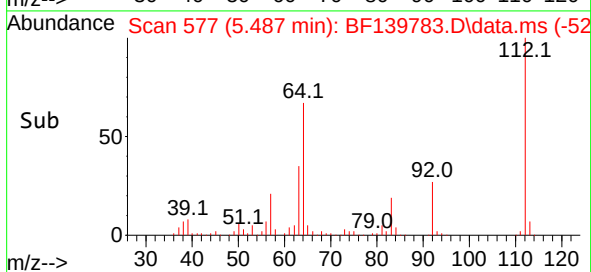
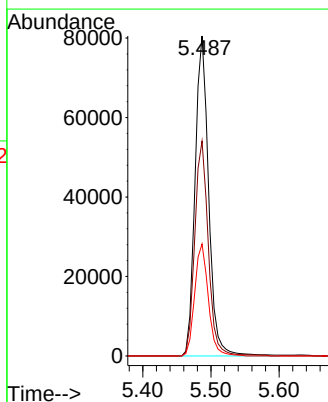
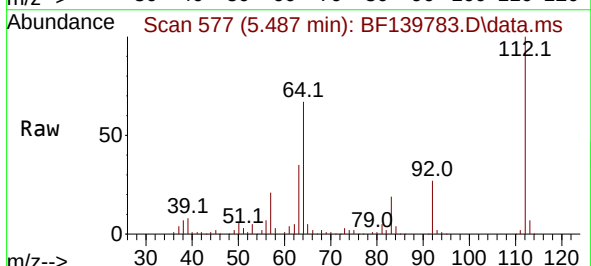
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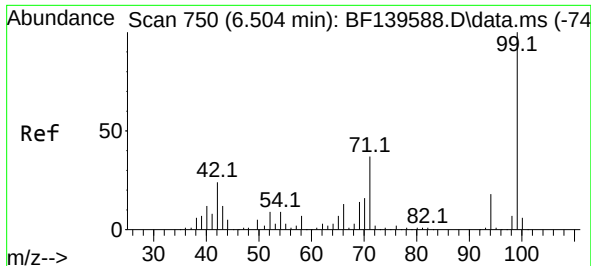
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#5
2-Fluorophenol
Concen: 30.899 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

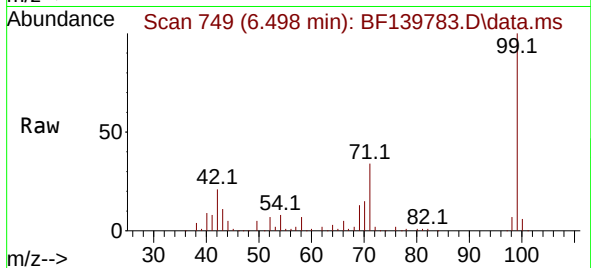
Tgt Ion:112 Resp: 110967
Ion Ratio Lower Upper
112 100
64 67.1 54.2 81.4
63 35.0 29.4 44.2





#7
Phenol-d6
Concen: 28.407 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

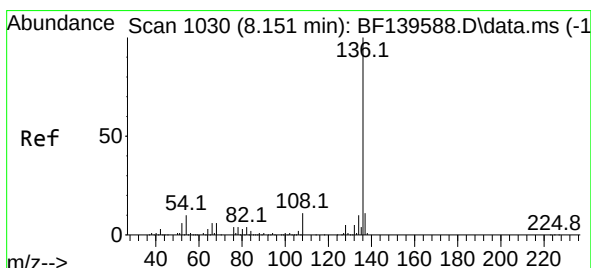
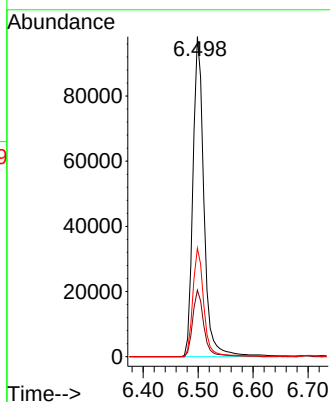
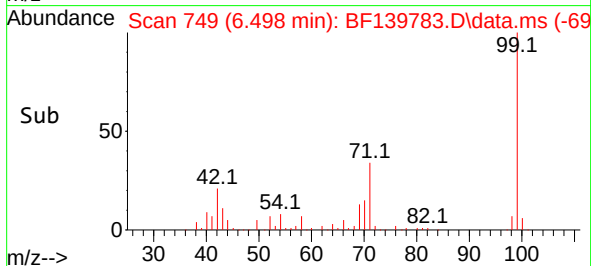
Instrument :
BNA_F
ClientSampleId :
HD-01-100924



Tgt Ion: 99 Resp: 137190
Ion Ratio Lower Upper
99 100
42 20.8 19.1 28.7
71 33.9 29.7 44.5

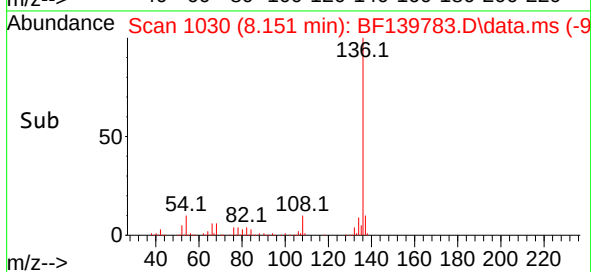
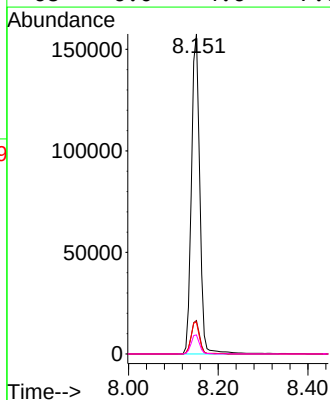
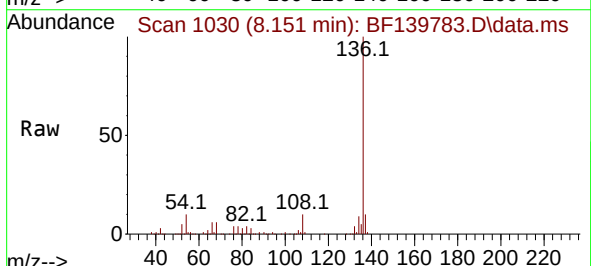
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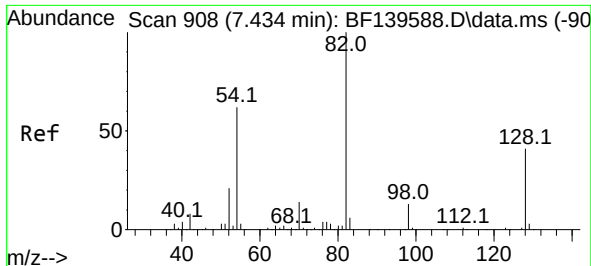
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

Tgt Ion:136 Resp: 203698
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 9.9 8.3 12.5
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 18.976 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

HD-01-100924

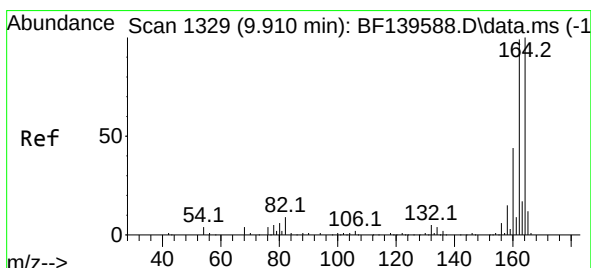
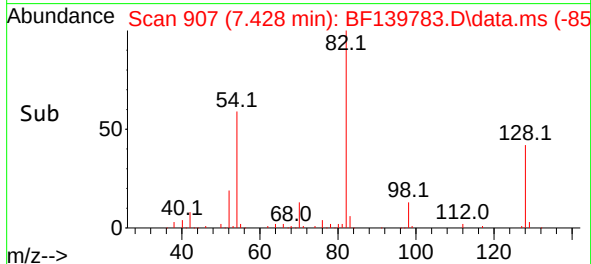
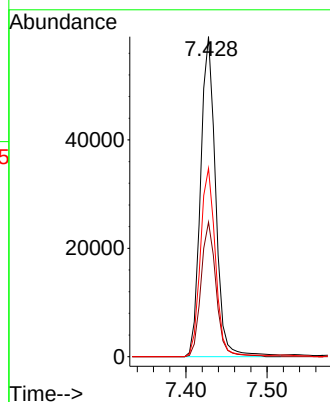
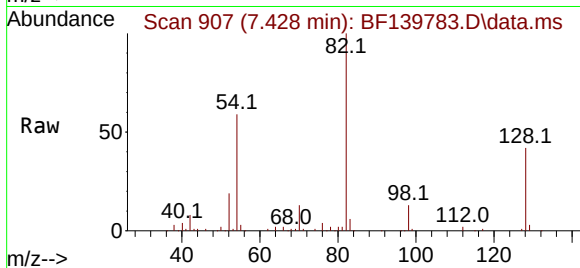
Tgt Ion: 82 Resp: 76344

Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.4	48.6
54	58.8	49.1	73.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

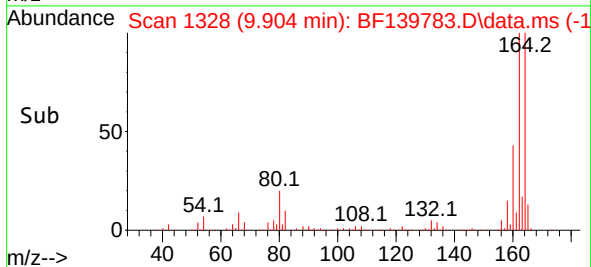
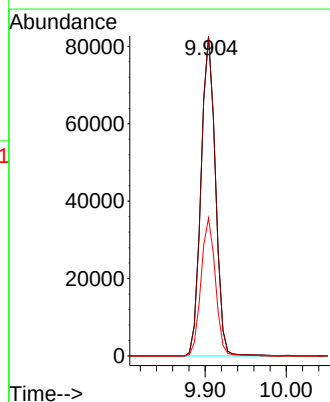
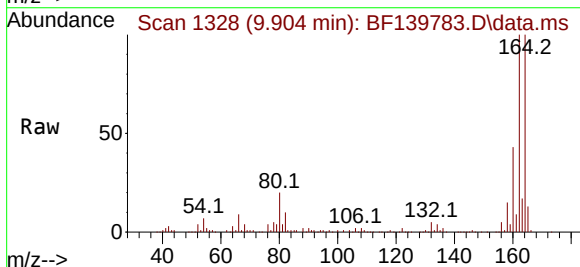
Delta R.T. -0.006 min

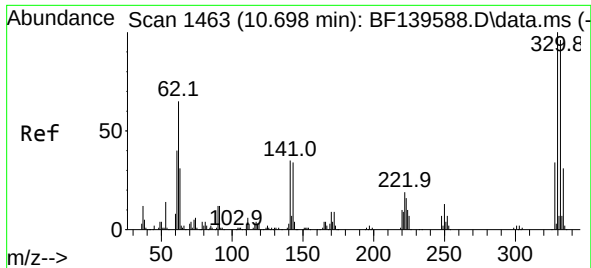
Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

Tgt Ion:164 Resp: 101884

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	43.2	35.1	52.7





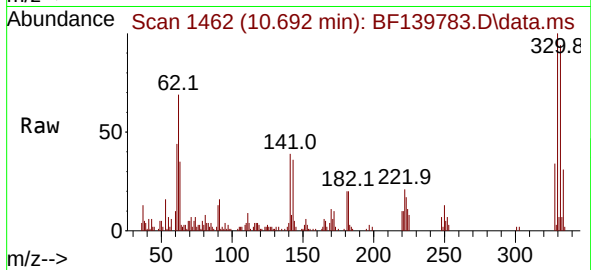
#42
2,4,6-Tribromophenol
Concen: 27.462 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

HD-01-100924

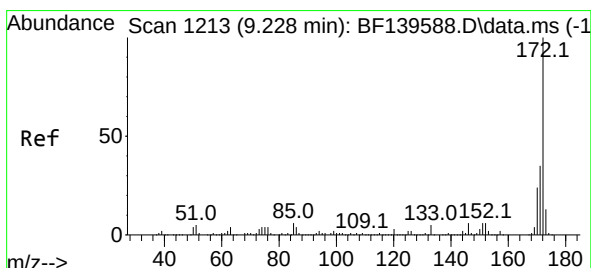
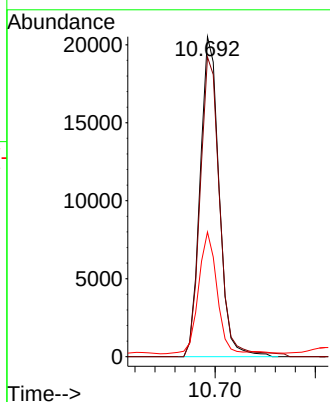
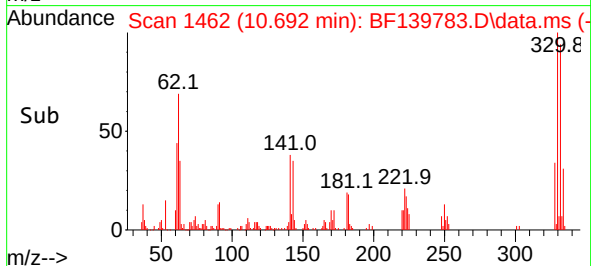


Tgt Ion:330 Resp: 27010
Ion Ratio Lower Upper
330 100
332 96.8 76.5 114.7
141 36.8 29.3 43.9

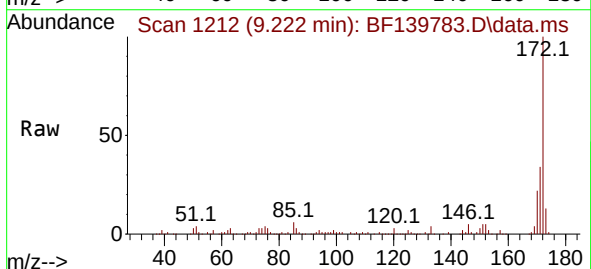
Manual Integrations

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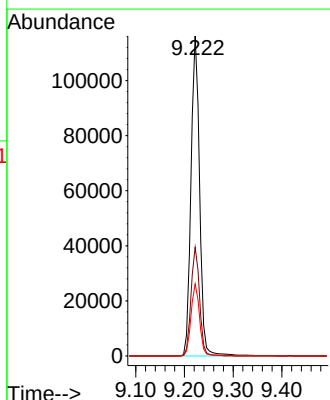
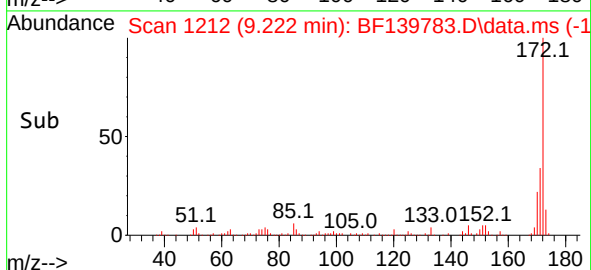
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

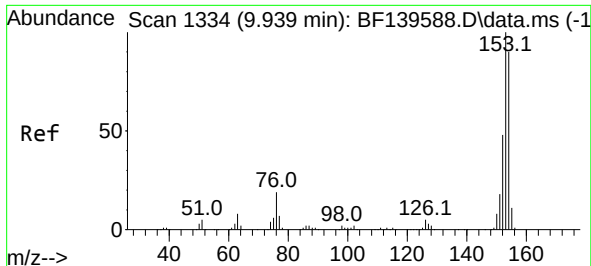


#45
2-Fluorobiphenyl
Concen: 21.601 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08



Tgt Ion:172 Resp: 143355
Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.4
170 22.5 18.8 28.2





#52
Acenaphthene
Concen: 3.397 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

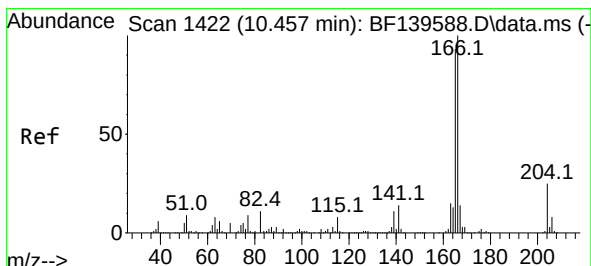
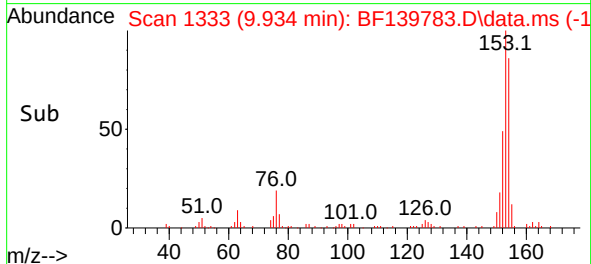
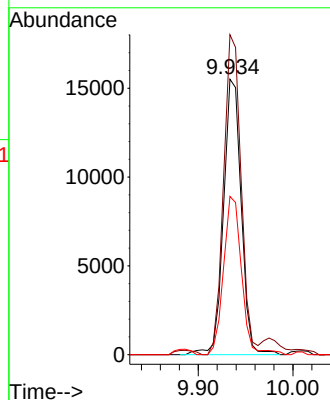
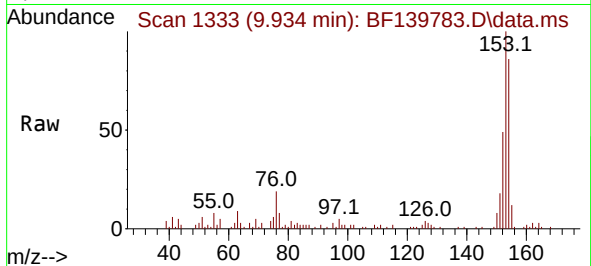
HD-01-100924

Tgt Ion:154 Resp: 20140
Ion Ratio Lower Upper
154 100
153 116.2 88.8 133.2
152 57.5 42.5 63.7

Manual Integrations

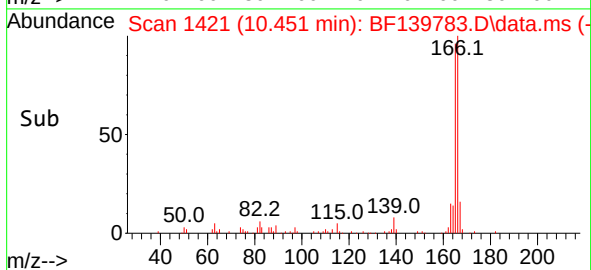
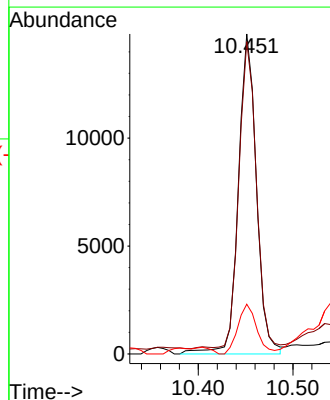
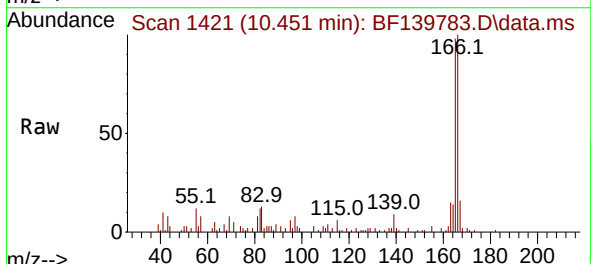
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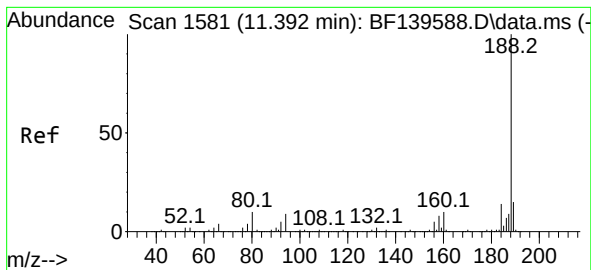
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#58
Fluorene
Concen: 2.968 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

Tgt Ion:166 Resp: 19632
Ion Ratio Lower Upper
166 100
165 97.6 74.4 111.6
167 15.5 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

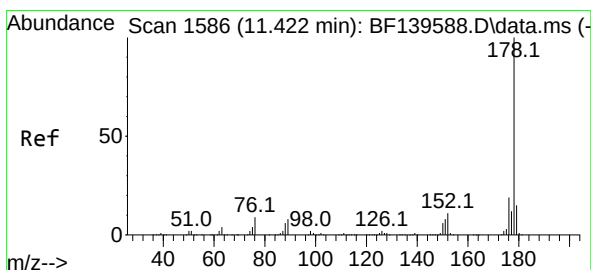
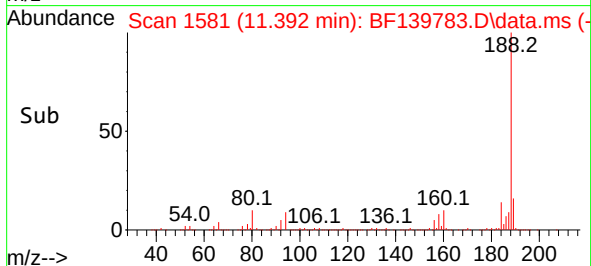
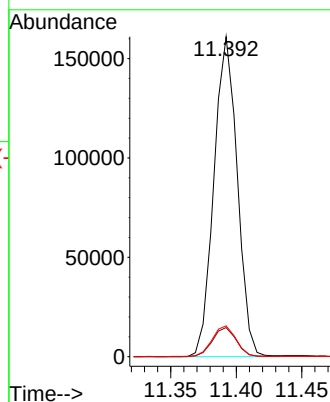
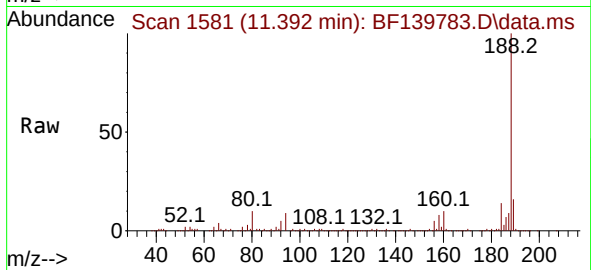
HD-01-100924

Tgt Ion:188 Resp: 199392
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.4 11.2
 80 9.6 8.2 12.2

Manual Integrations

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 Supervised By :mohammad ahmed 10/15/2024



#71

Phenanthrene

Concen: 26.724 ng

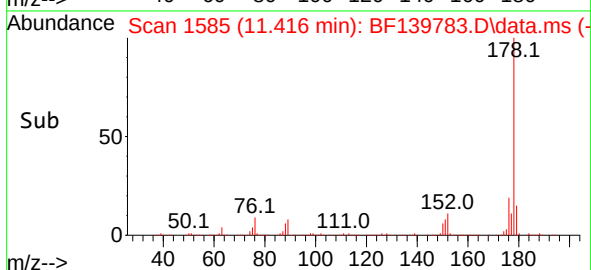
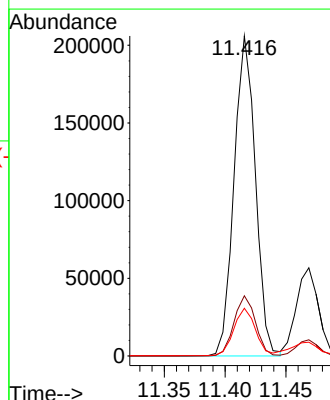
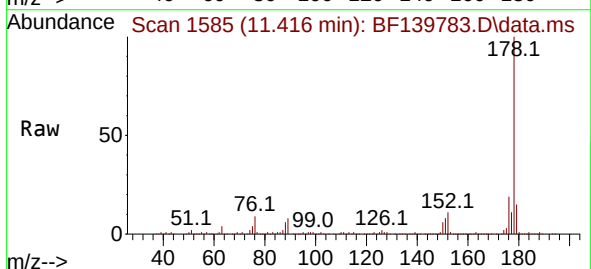
RT: 11.416 min Scan# 1585

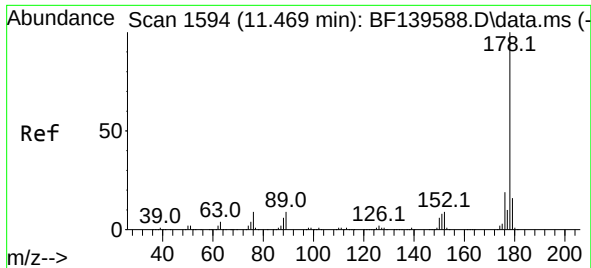
Delta R.T. -0.006 min

Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

Tgt Ion:178 Resp: 251247
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.5 23.3
 179 14.9 12.3 18.5





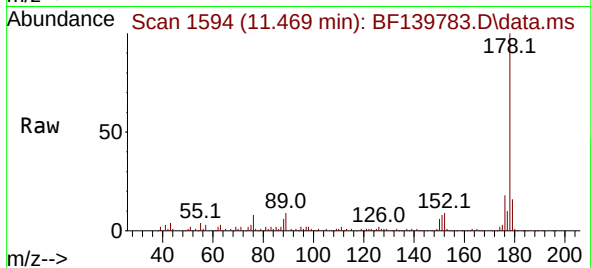
#72
 Anthracene
 Concen: 7.850 ng
 RT: 11.469 min Scan# 1594
 Delta R.T. 0.000 min
 Lab File: BF139783.D
 Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

HD-01-100924

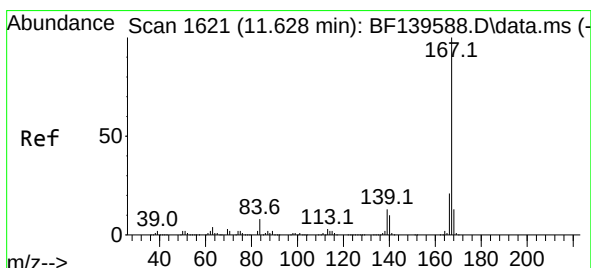
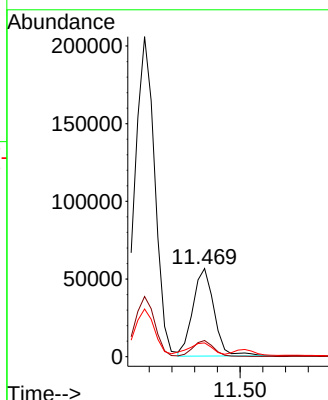
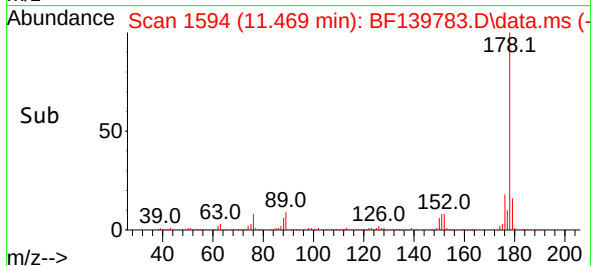


Tgt Ion:178 Resp: 73011
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.1 22.7
 179 15.6 12.5 18.7

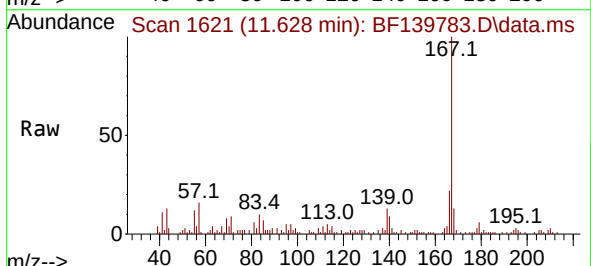
Manual Integrations

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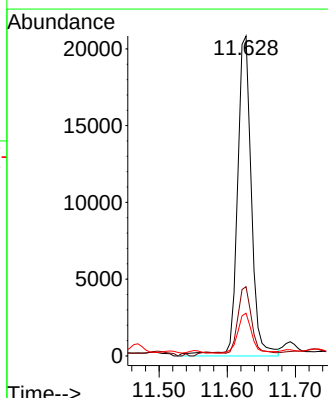
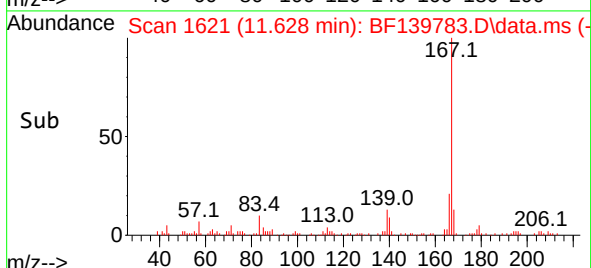
Reviewed By :Jagrut Upadhyay 10/14/2024
 Supervised By :mohammad ahmed 10/15/2024

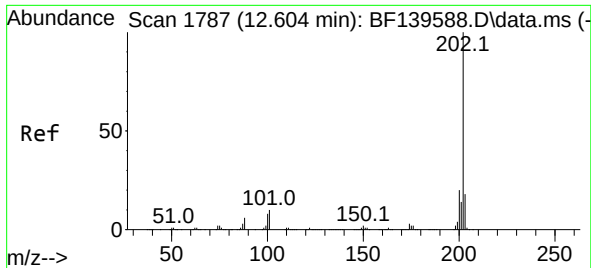


#73
 Carbazole
 Concen: 3.324 ng
 RT: 11.628 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF139783.D
 Acq: 11 Oct 2024 19:08



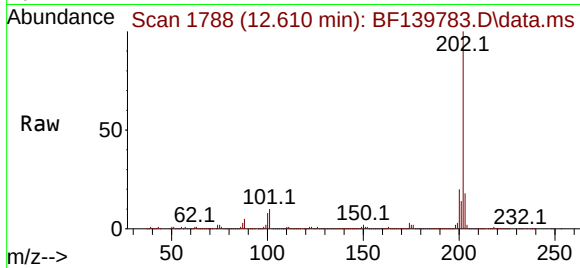
Tgt Ion:167 Resp: 29694
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 13.3 10.3 15.5





#75
Fluoranthene
Concen: 56.427 ng
RT: 12.610 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

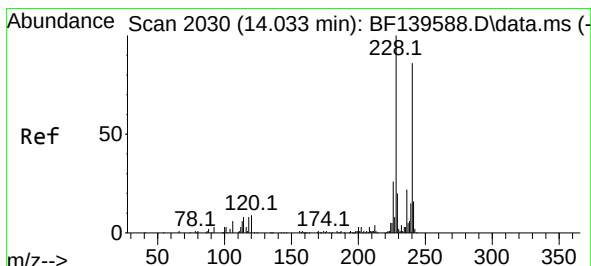
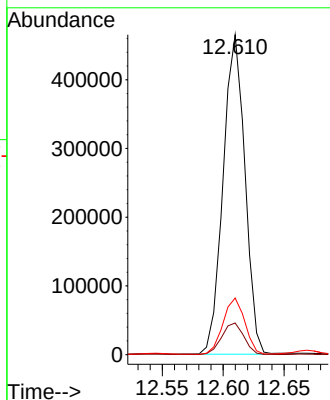
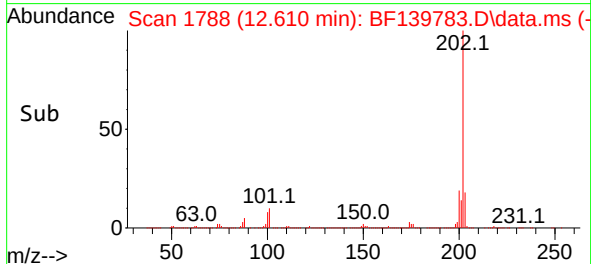
Instrument :
BNA_F
ClientSampleId :
HD-01-100924



Tgt Ion:202 Resp: 579908
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 17.7 0.0 37.7

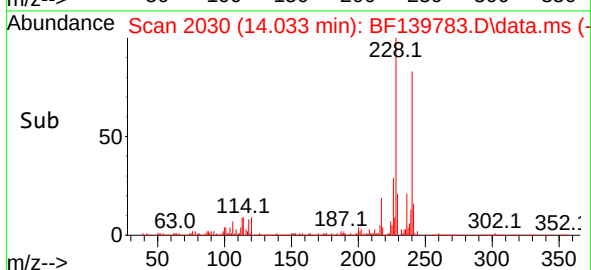
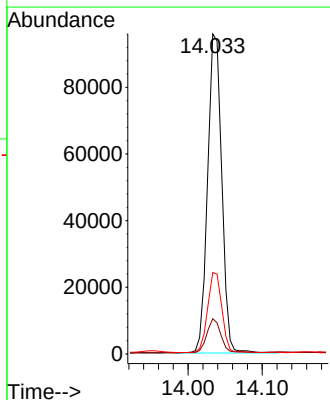
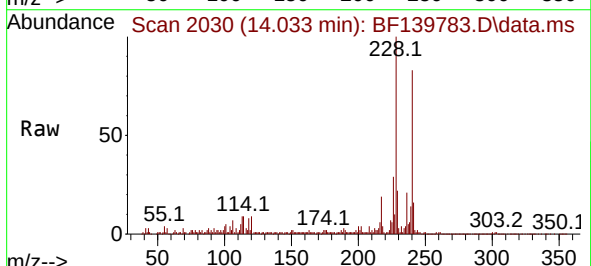
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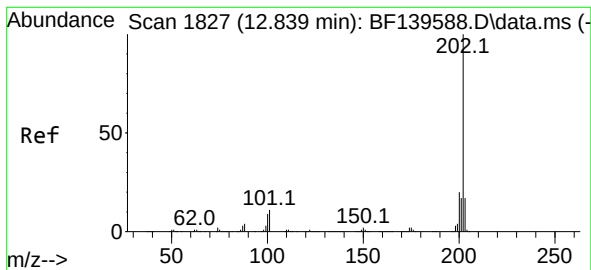
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

Tgt Ion:240 Resp: 126817
Ion Ratio Lower Upper
240 100
120 11.0 8.4 12.6
236 25.5 20.3 30.5





#78

Pyrene

Concen: 45.496 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

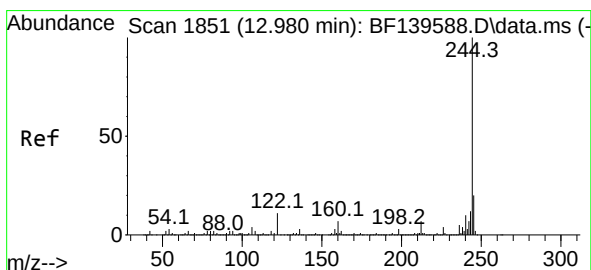
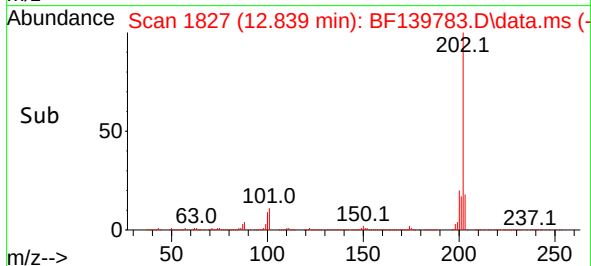
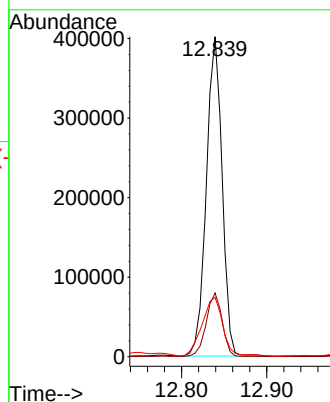
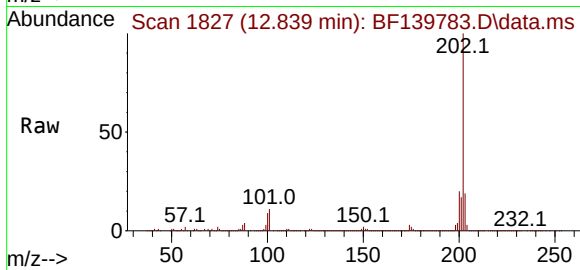
HD-01-100924

Tgt Ion:	202	Resp:	516039
Ion Ratio	Lower	Upper	
202	100		
200	19.9	15.8	23.6
203	18.5	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#79

Terphenyl-d14

Concen: 22.465 ng

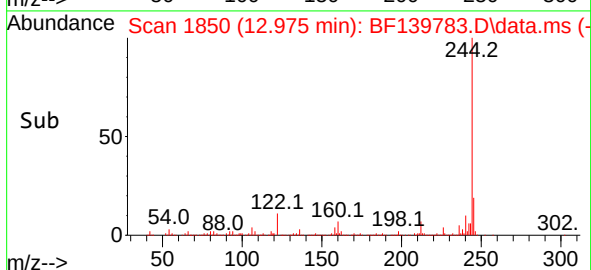
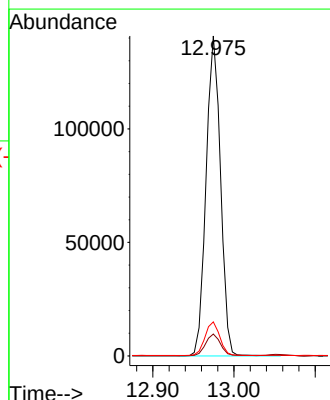
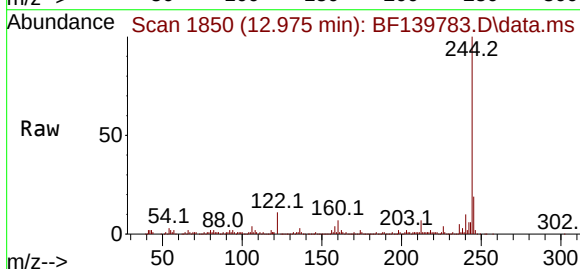
RT: 12.975 min Scan# 1850

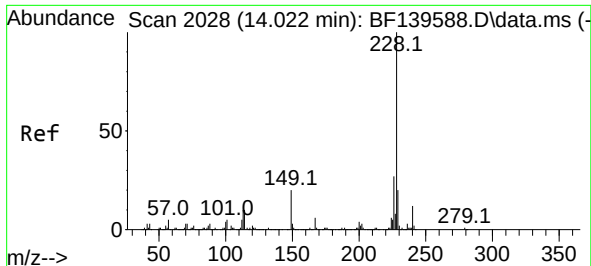
Delta R.T. -0.005 min

Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

Tgt Ion:	244	Resp:	173629
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.6
122	10.7	8.6	12.8





#81
Benzo(a)anthracene
Concen: 28.662 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

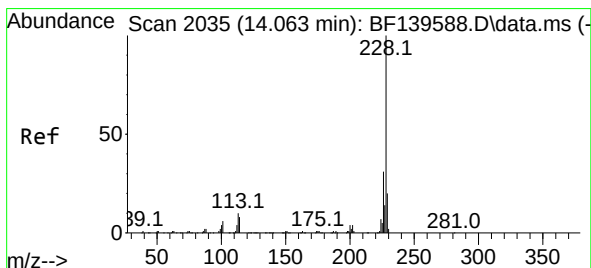
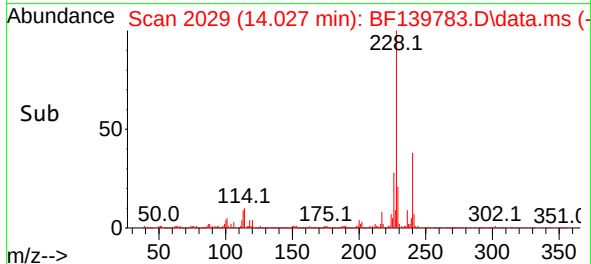
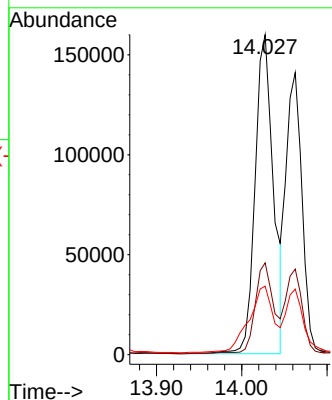
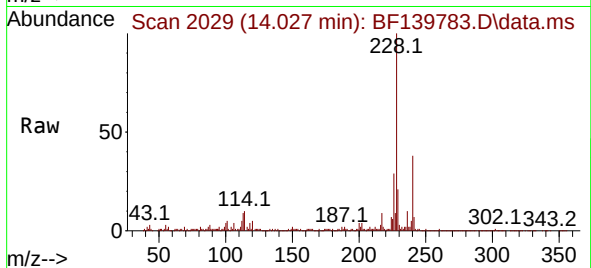
HD-01-100924

Tgt Ion:228 Resp: 238978
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.8
229 21.4 15.8 23.8

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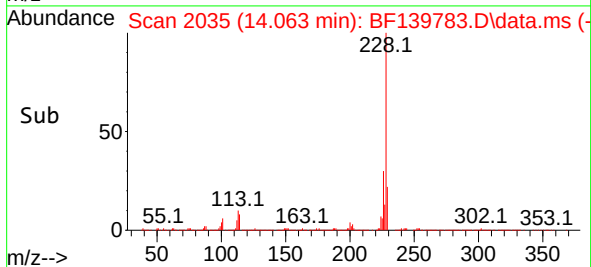
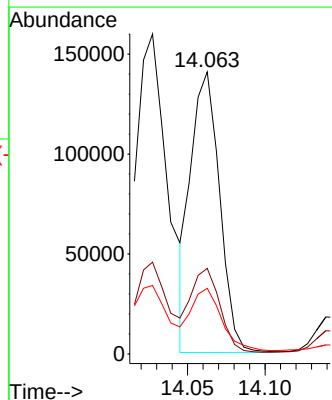
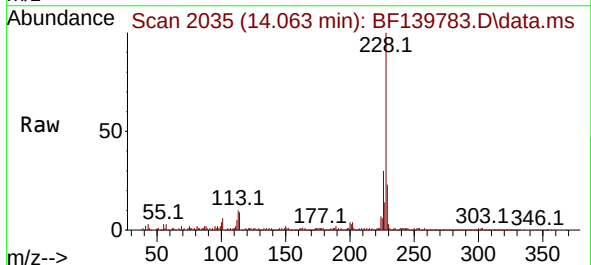
APPROVED

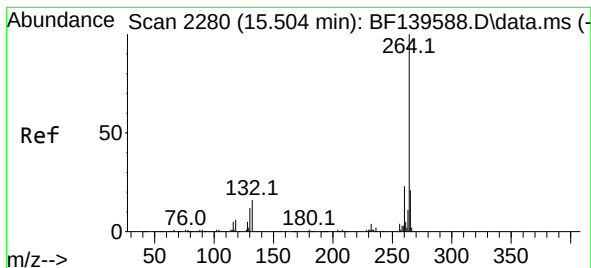
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#83
Chrysene
Concen: 23.838 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

Tgt Ion:228 Resp: 181714
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 23.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.516 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

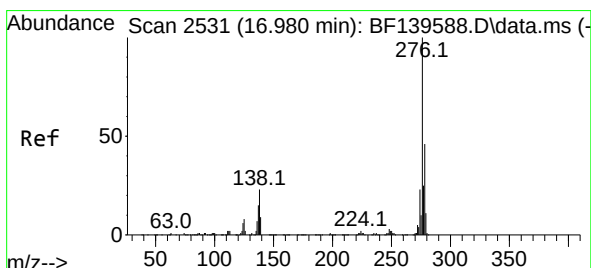
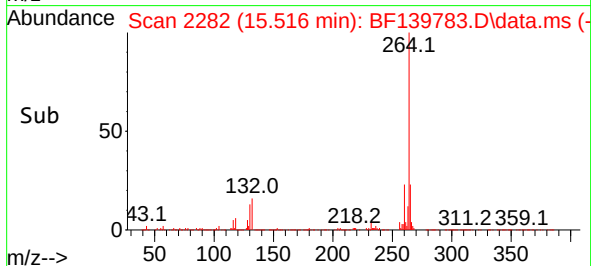
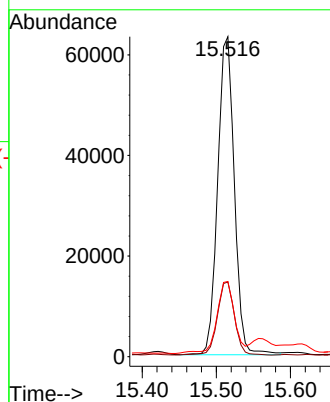
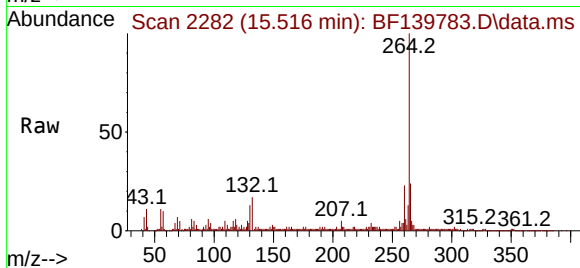
HD-01-100924

Tgt Ion:	264	Resp:	98730
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.7	28.1
265	23.5	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.430 ng

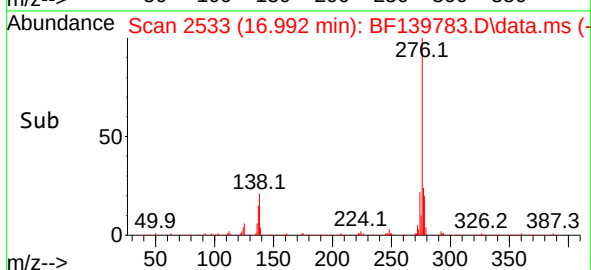
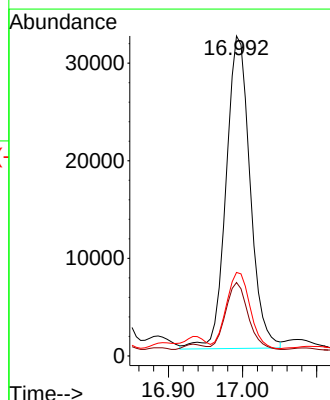
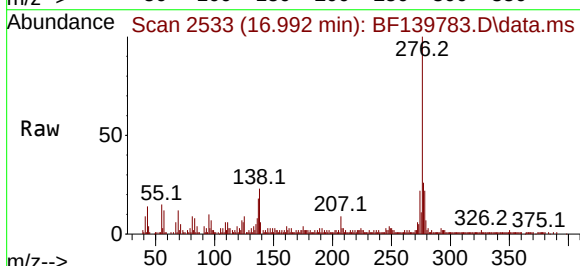
RT: 16.992 min Scan# 2533

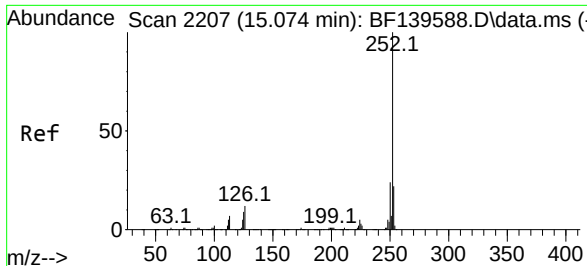
Delta R.T. 0.012 min

Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

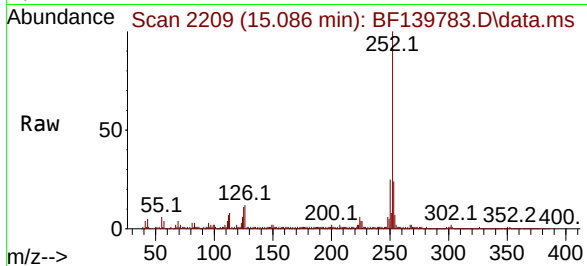
Tgt Ion:	276	Resp:	72232
Ion Ratio	Lower	Upper	
276	100		
138	20.4	19.4	29.0
277	23.9	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 30.502 ng m
RT: 15.086 min Scan# 2207
Delta R.T. 0.012 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

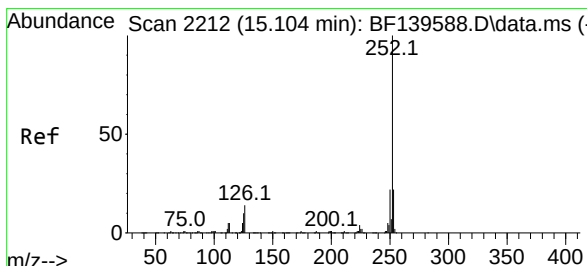
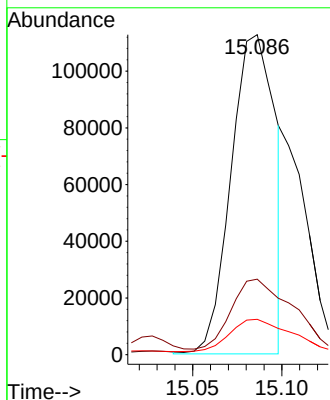
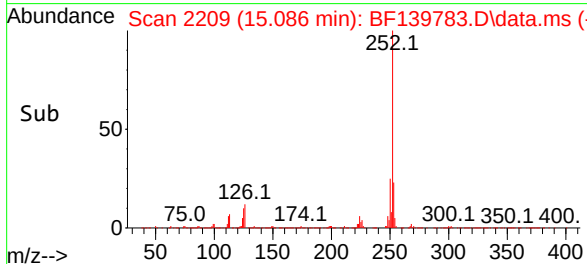
Instrument :
BNA_F
ClientSampleId :
HD-01-100924



Tgt Ion:252 Resp: 194718
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 11.0 7.4 11.0

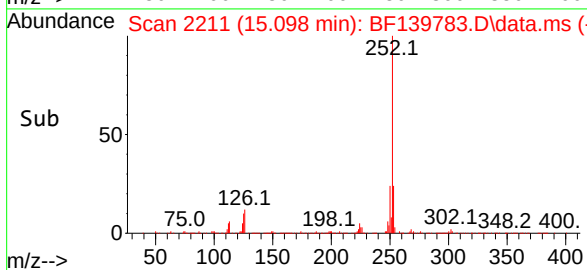
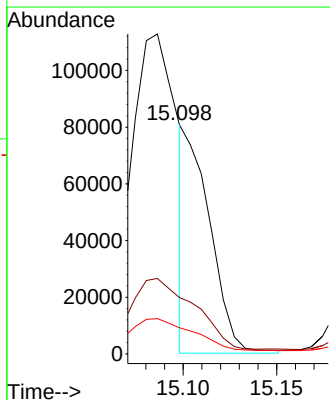
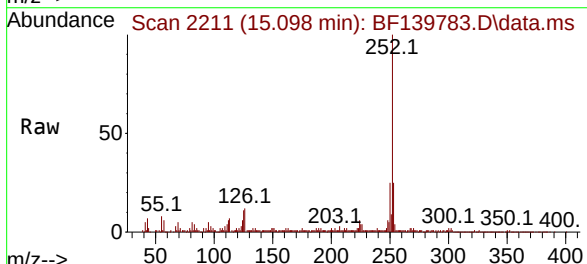
Manual Integrations
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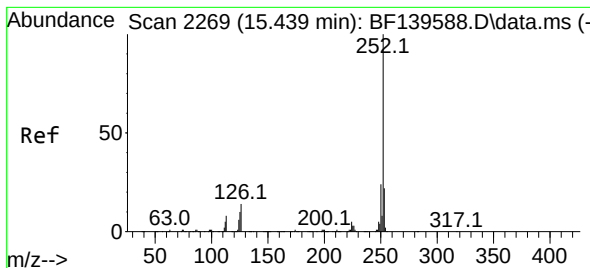
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#89
Benzo(k)fluoranthene
Concen: 13.561 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

Tgt Ion:252 Resp: 73433
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 11.4 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 27.406 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

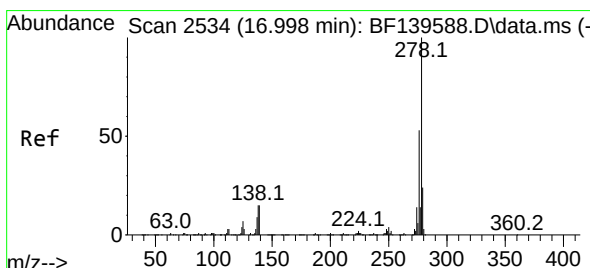
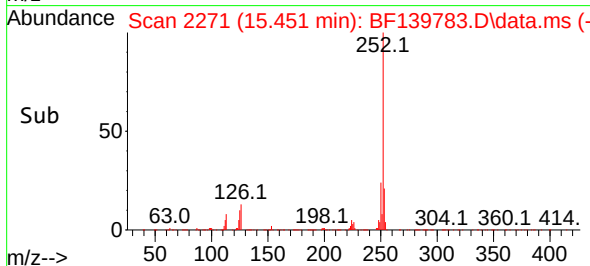
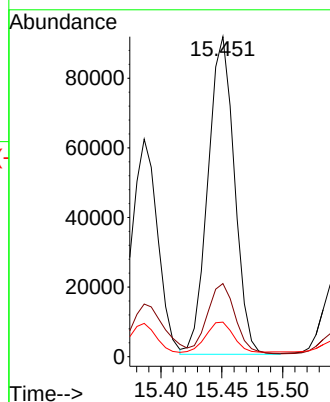
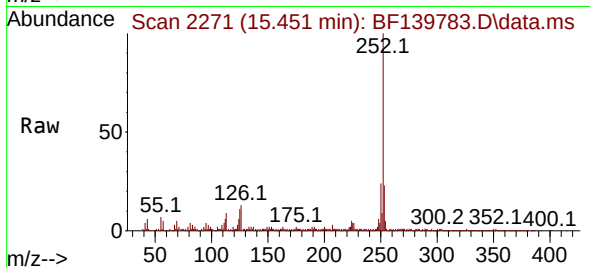
HD-01-100924

Tgt Ion:252 Resp: 137948
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.3 25.9
 125 10.8 8.3 12.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2024
 Supervised By :mohammad ahmed 10/15/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.713 ng

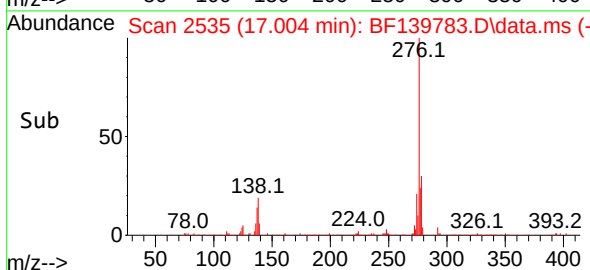
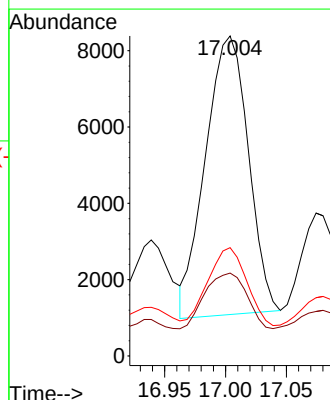
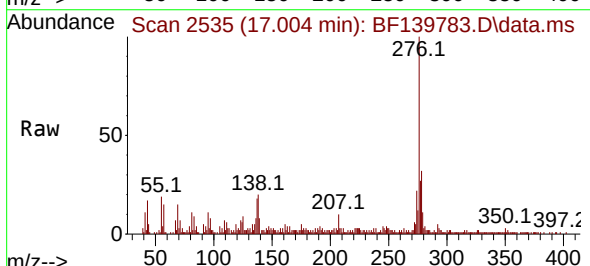
RT: 17.004 min Scan# 2535

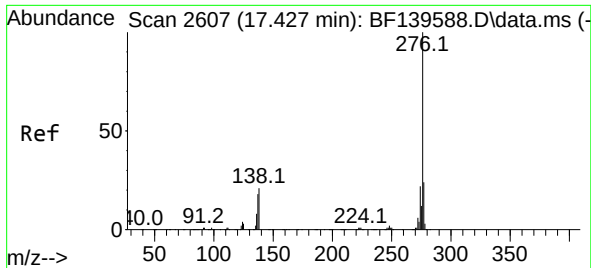
Delta R.T. 0.006 min

Lab File: BF139783.D

Acq: 11 Oct 2024 19:08

Tgt Ion:278 Resp: 17896
 Ion Ratio Lower Upper
 278 100
 139 25.9 12.2 18.4#
 279 33.8 19.2 28.8#





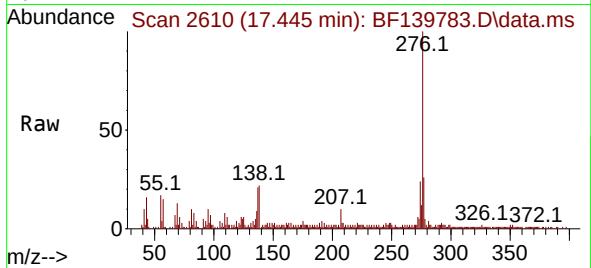
#92
Benzo(g,h,i)perylene
Concen: 14.093 ng
RT: 17.445 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF139783.D
Acq: 11 Oct 2024 19:08

Instrument :

BNA_F

ClientSampleId :

HD-01-100924



Tgt Ion:276 Resp: 6812
Ion Ratio Lower Upper
276 100
277 25.9 19.0 28.6
138 22.0 17.0 25.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

