

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139773.D
 Acq On : 11 Oct 2024 14:20
 Operator : RC/JU
 Sample : P4364-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-2.0-2.5

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 14:53:25 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	69247	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	220892	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	98664	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	177152	20.000	ng	0.00
76) Chrysene-d12	14.033	240	168640	20.000	ng	0.00
86) Perylene-d12	15.504	264	127071	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	544952	136.401	ng	0.01
7) Phenol-d6	6.510	99	644544	119.966	ng	0.00
23) Nitrobenzene-d5	7.428	82	403661	92.522	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	116552	122.372	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	608956	94.752	ng	0.00
79) Terphenyl-d14	12.974	244	613959	59.737	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	126345	11.187	ng	99
71) Phenanthrene	11.410	178	105458	12.625	ng	98
72) Anthracene	11.463	178	26812	3.245	ng	97
74) Di-n-butylphthalate	11.951	149	732001	75.845	ng	100
75) Fluoranthene	12.604	202	201965	22.119	ng	99
78) Pyrene	12.833	202	191781	12.715	ng	99
81) Benzo(a)anthracene	14.021	228	119252	10.756	ng	95
83) Chrysene	14.057	228	99523	9.818	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	391809	58.160	ng	99
85) Di-n-octyl phthalate	14.621	149	56742	5.733	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.980	276	40518	5.417	ng	96
88) Benzo(b)fluoranthene	15.074	252	111528m	13.574	ng	
89) Benzo(k)fluoranthene	15.092	252	36714m	5.268	ng	
90) Benzo(a)pyrene	15.445	252	72805	11.238	ng	96
92) Benzo(g,h,i)perylene	17.427	276	40035	6.435	ng	97

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

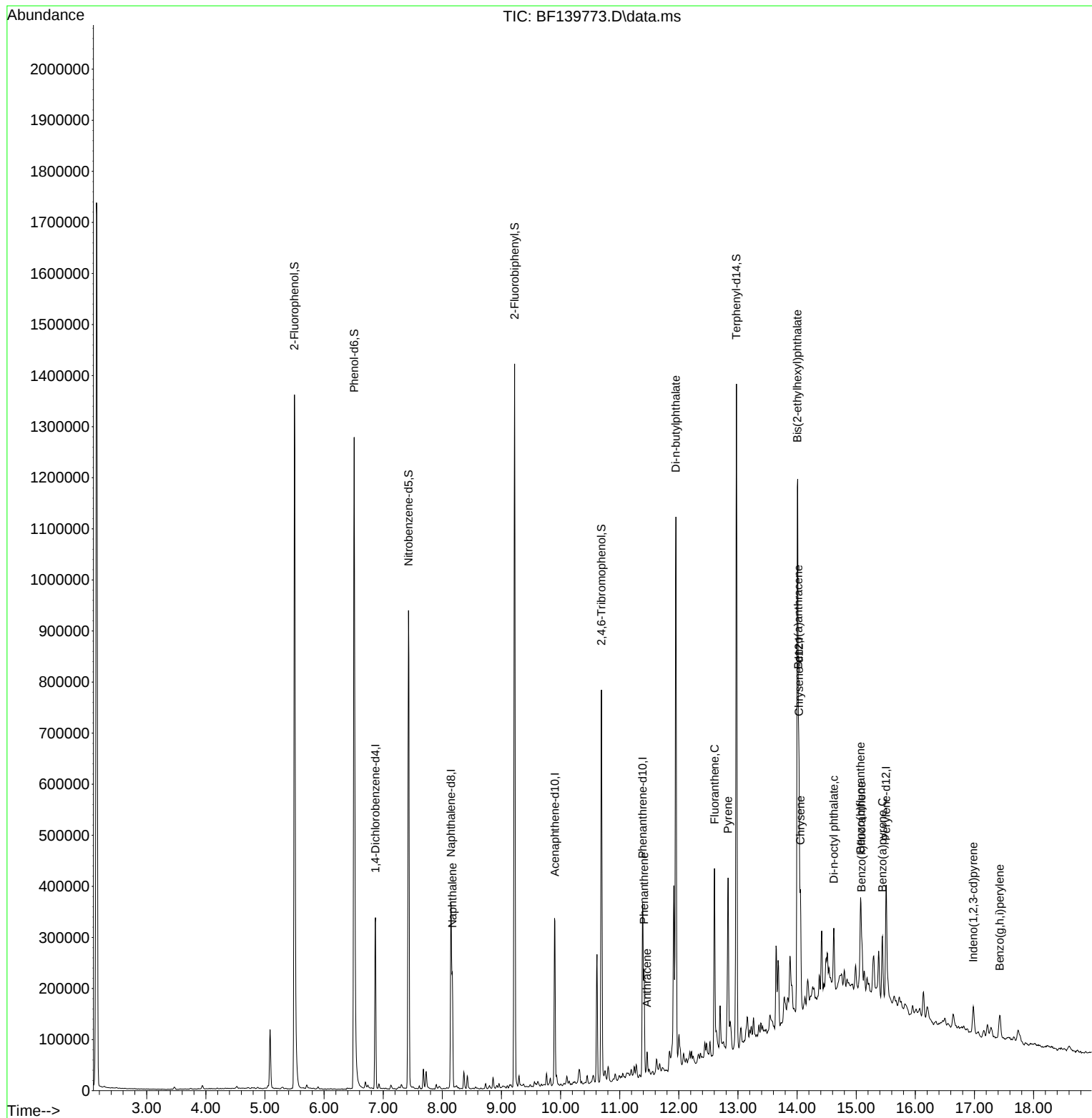
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
Data File : BF139773.D
Acq On : 11 Oct 2024 14:20
Operator : RC/JU
Sample : P4364-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

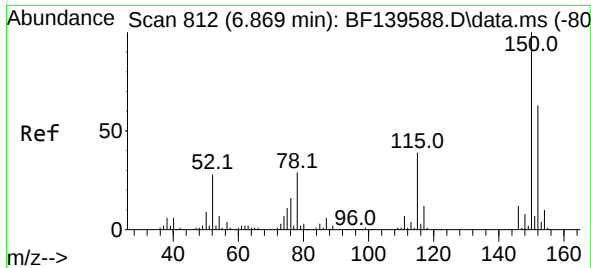
Instrument :
BNA_F
ClientSampleId :
SB-04-2.0-2.5

Quant Time: Oct 11 14:53:25 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

Manual Integrations
APPROVED

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





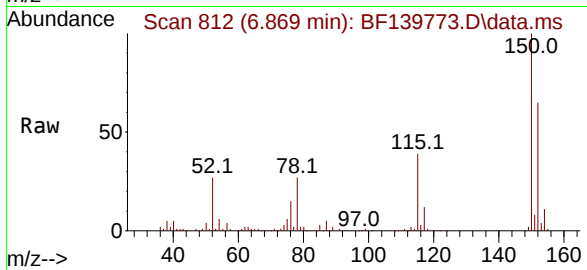
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5

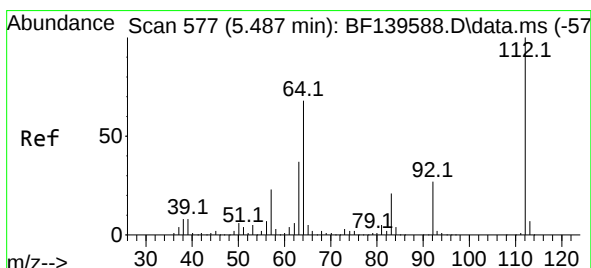
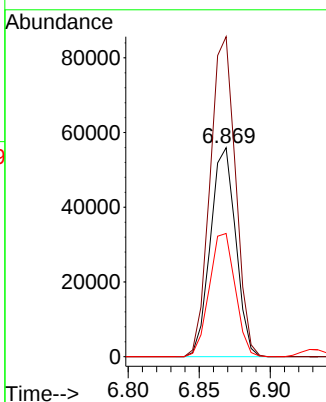
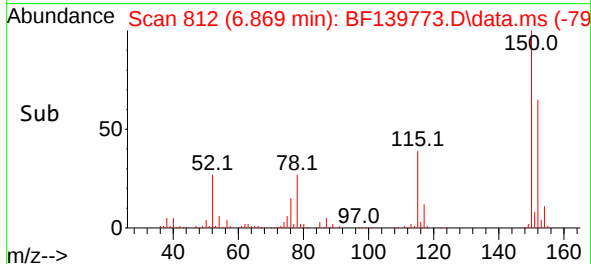


Tgt Ion:152 Resp: 6924
Ion Ratio Lower Upper
152 100
150 153.1 127.2 190.8
115 59.0 49.0 73.4

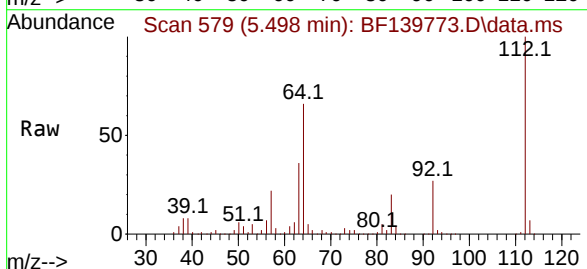
Manual Integrations

APPROVED

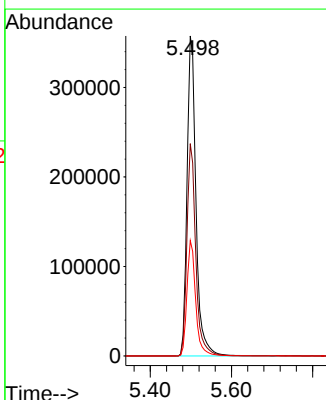
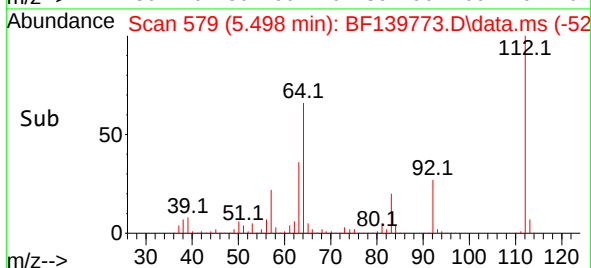
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

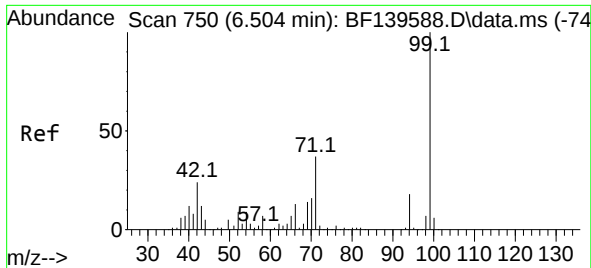


#5
2-Fluorophenol
Concen: 136.401 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.011 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20



Tgt Ion:112 Resp: 544952
Ion Ratio Lower Upper
112 100
64 66.4 54.2 81.4
63 36.1 29.4 44.2





#7
Phenol-d6
Concen: 119.966 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

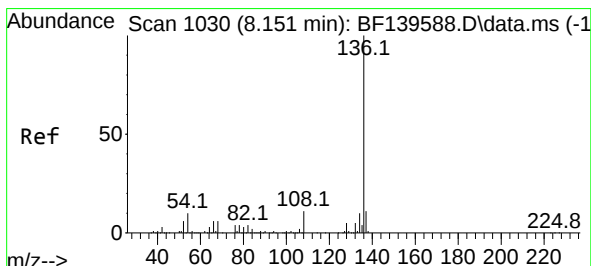
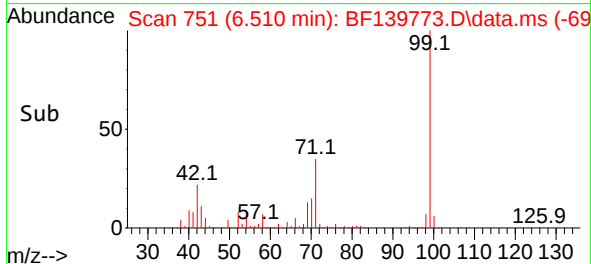
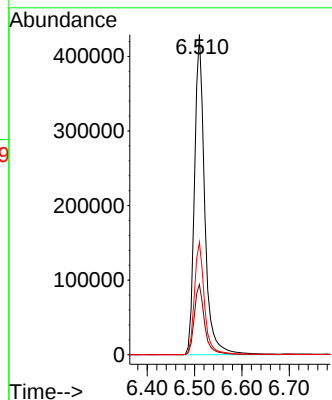
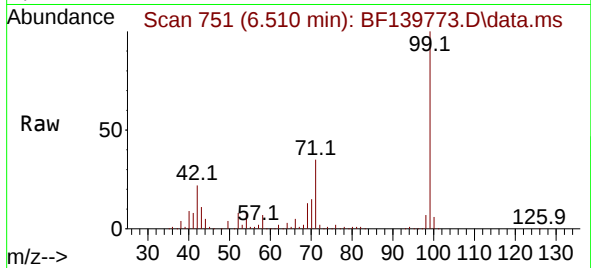
SB-04-2.0-2.5

Tgt Ion: 99 Resp: 644544
Ion Ratio Lower Upper
99 100
42 22.0 19.1 28.7
71 35.2 29.7 44.5

Manual Integrations

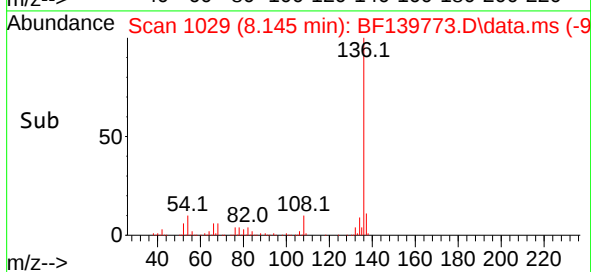
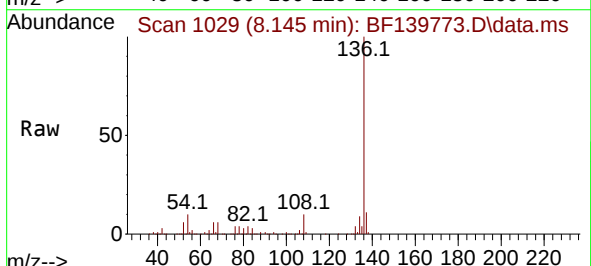
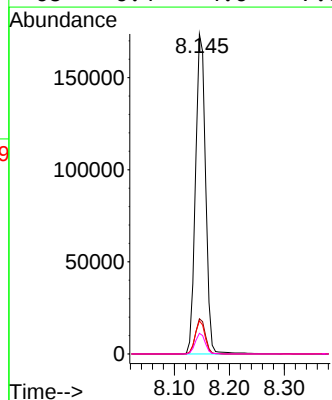
APPROVED

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



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Tgt Ion:136 Resp: 220892
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.3 8.3 12.5
68 6.4 4.6 7.0





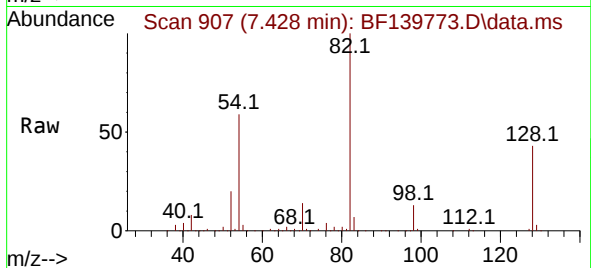
#23
Nitrobenzene-d5
Concen: 92.522 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5

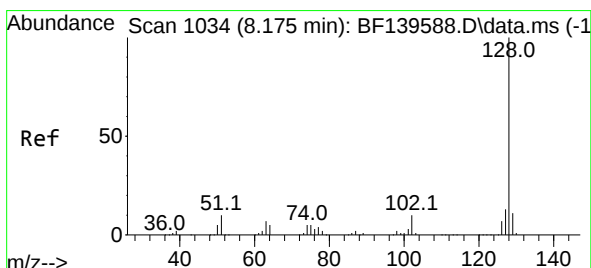
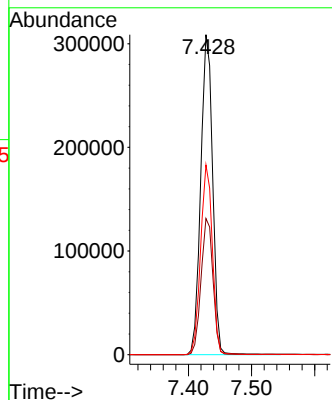
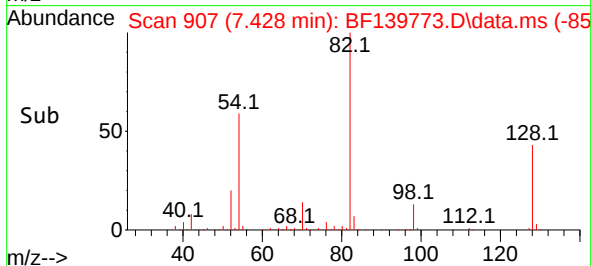


Tgt Ion: 82 Resp: 40366
Ion Ratio Lower Upper
82 100
128 42.6 32.4 48.6
54 59.3 49.1 73.7

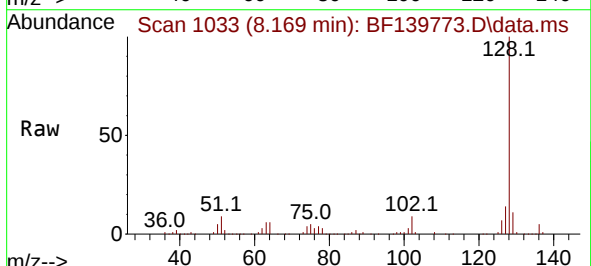
Manual Integrations

APPROVED

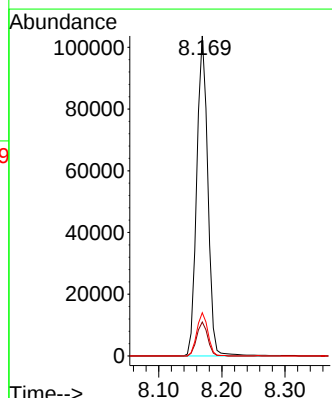
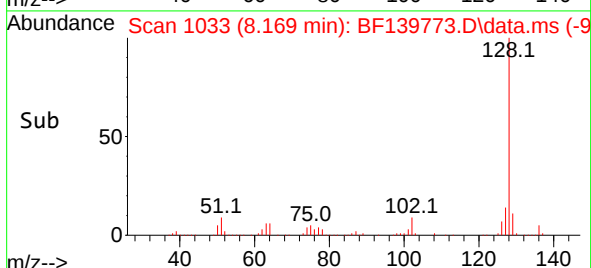
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

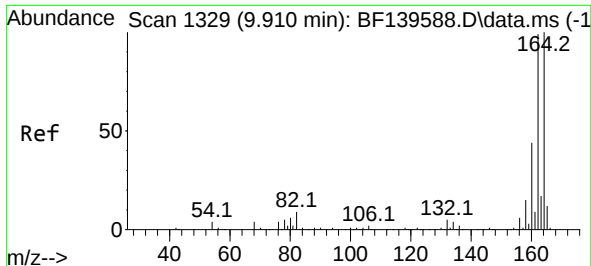


#31
Naphthalene
Concen: 11.187 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20



Tgt Ion:128 Resp: 126345
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.5 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

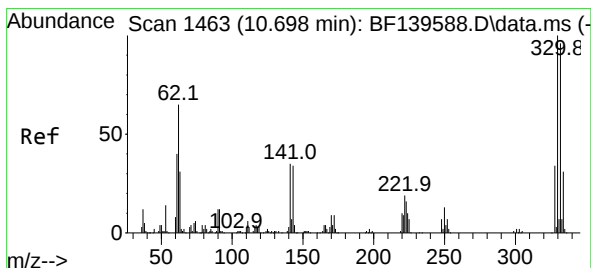
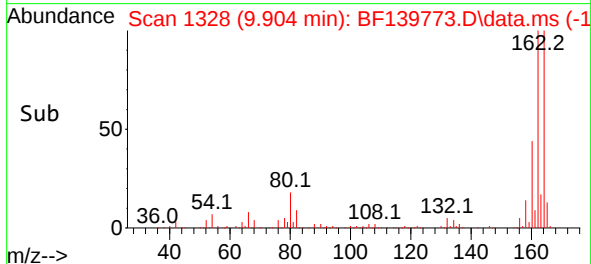
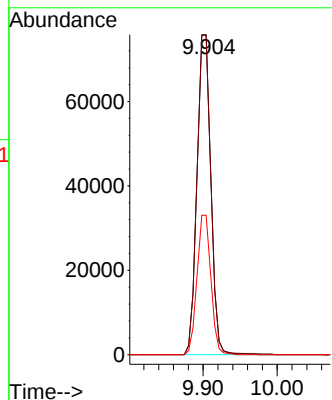
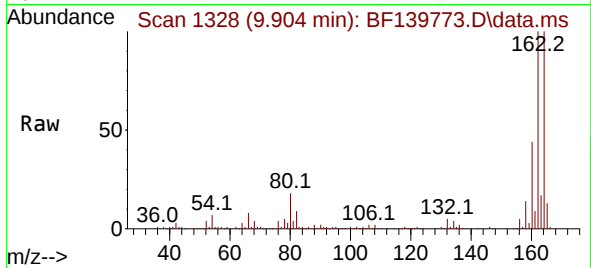
ClientSampleId :

SB-04-2.0-2.5

Tgt Ion:164 Resp: 98664
Ion Ratio Lower Upper
164 100
162 99.7 79.4 119.0
160 43.5 35.1 52.7

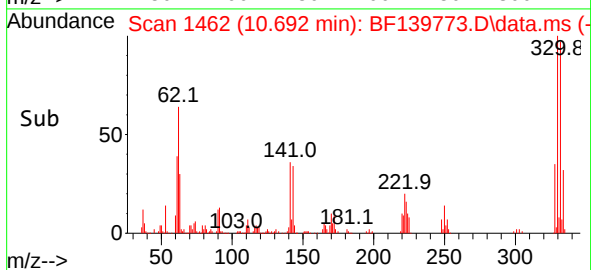
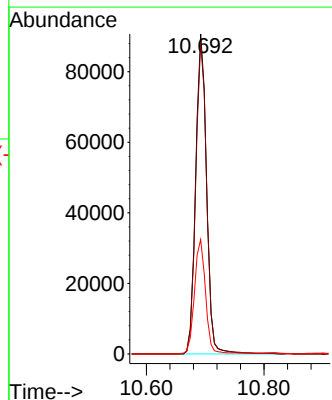
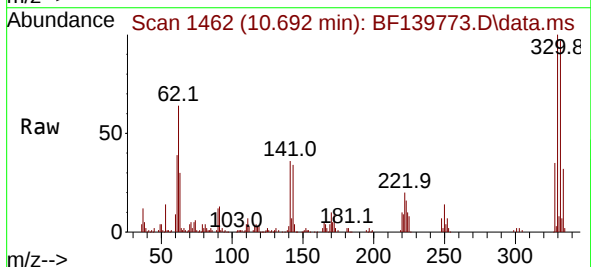
Manual Integrations
APPROVED

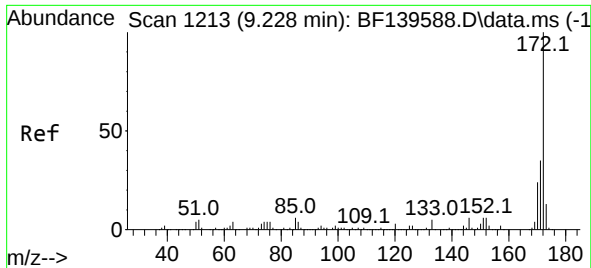
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#42
2,4,6-Tribromophenol
Concen: 122.372 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Tgt Ion:330 Resp: 116552
Ion Ratio Lower Upper
330 100
332 98.1 76.5 114.7
141 36.8 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 94.752 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5

Tgt Ion:172 Resp: 608950

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

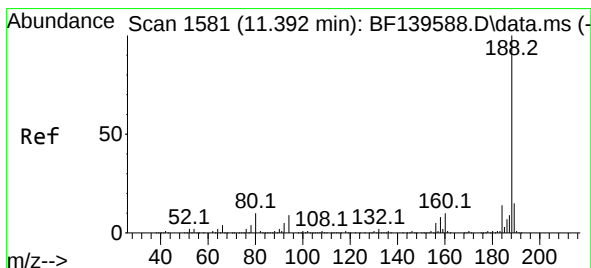
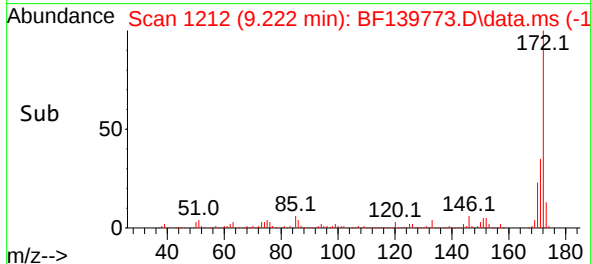
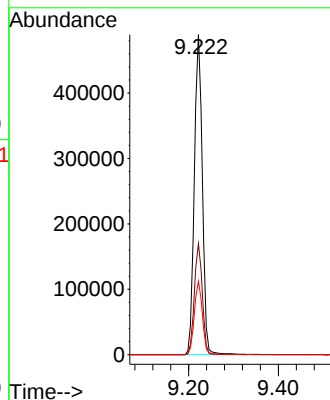
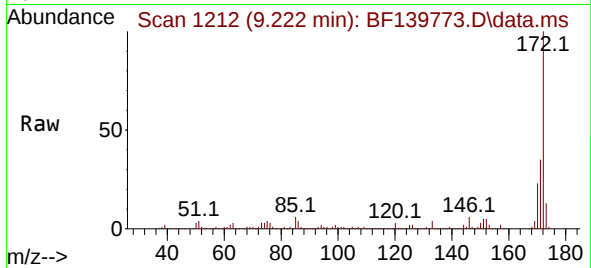
170 22.9 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024

Supervised By :mohammad ahmed 10/15/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

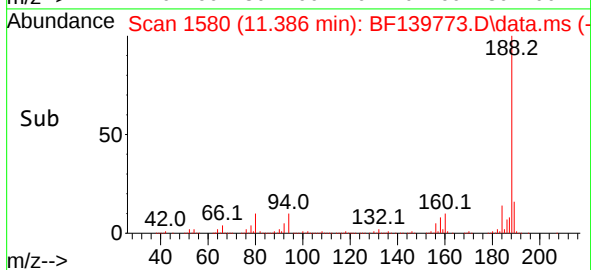
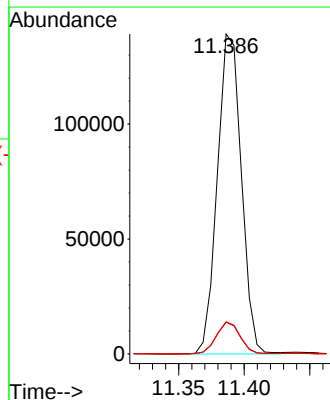
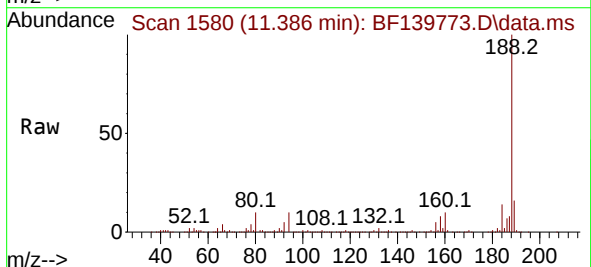
Tgt Ion:188 Resp: 177152

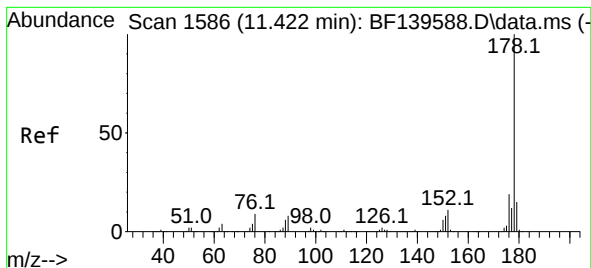
Ion Ratio Lower Upper

188 100

94 9.9 7.4 11.2

80 10.1 8.2 12.2





#71

Phenanthrene

Concen: 12.625 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5

Tgt Ion:178 Resp: 105458

Ion Ratio Lower Upper

178 100

176 18.2 15.5 23.3

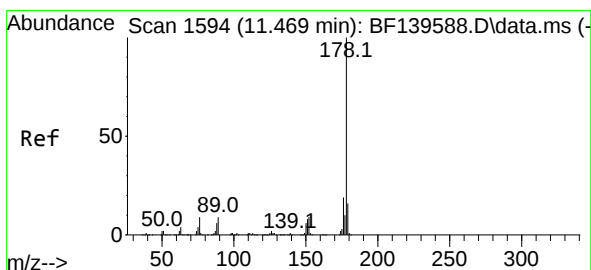
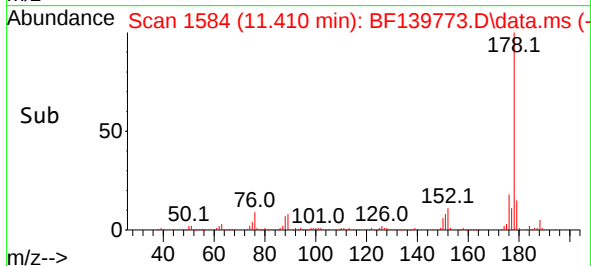
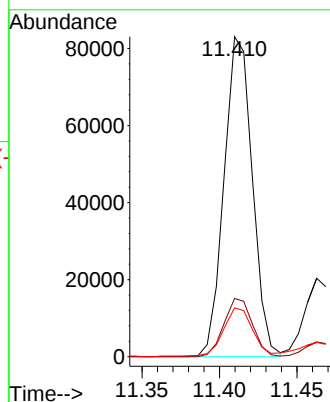
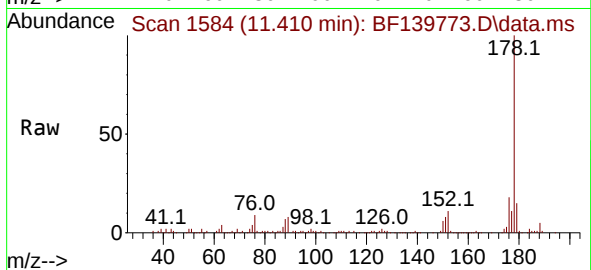
179 15.2 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024

Supervised By :mohammad ahmed 10/15/2024



#72

Anthracene

Concen: 3.245 ng

RT: 11.463 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

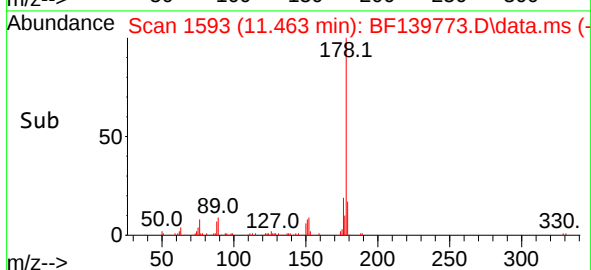
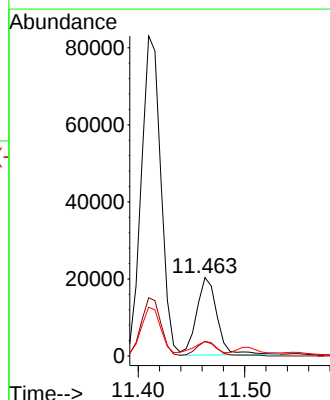
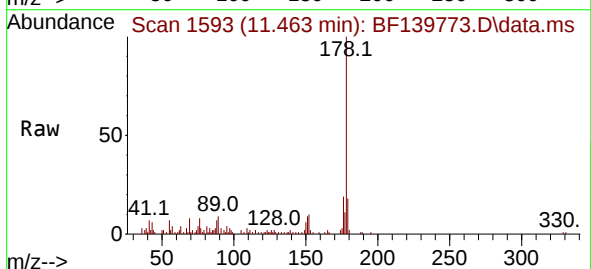
Tgt Ion:178 Resp: 26812

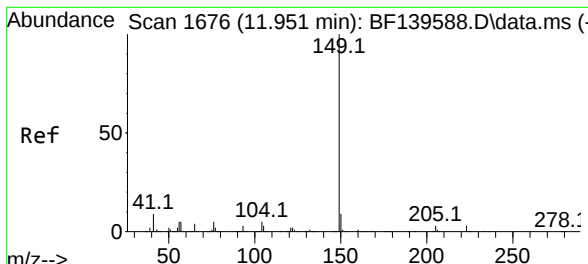
Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 18.1 12.5 18.7





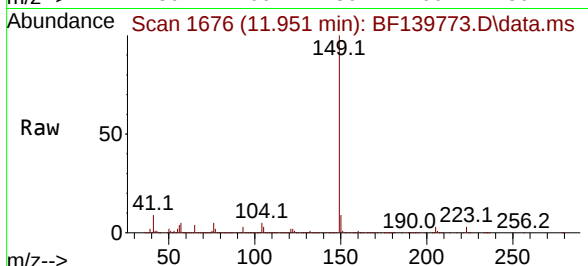
#74
Di-n-butylphthalate
Concen: 75.845 ng
RT: 11.951 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5

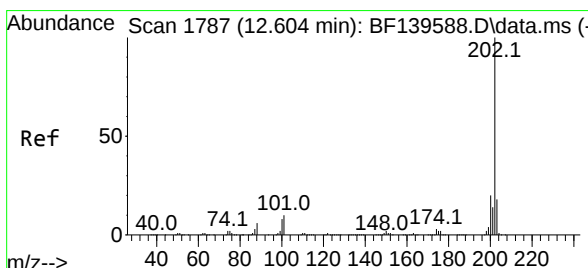
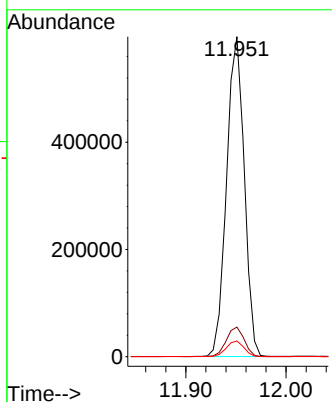
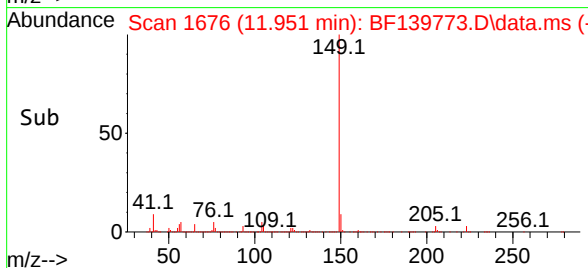


Tgt Ion:149 Resp: 732000
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 4.9 4.1 6.1

Manual Integrations

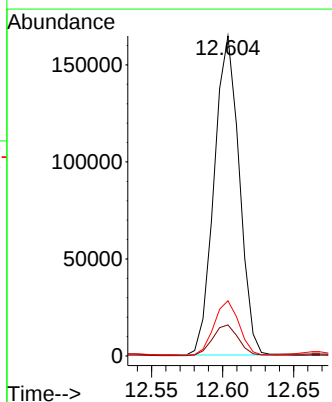
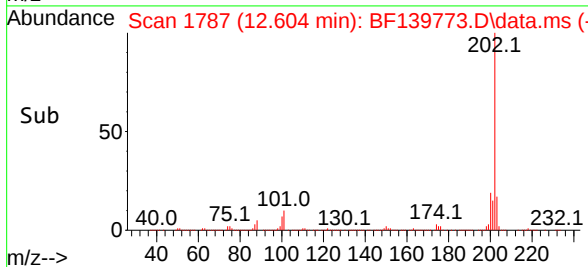
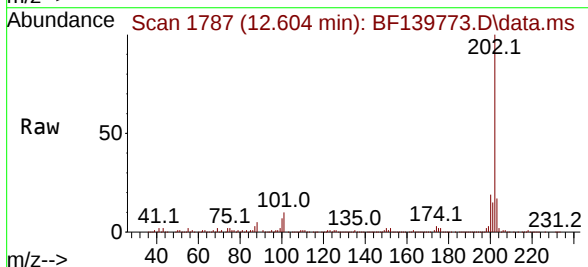
APPROVED

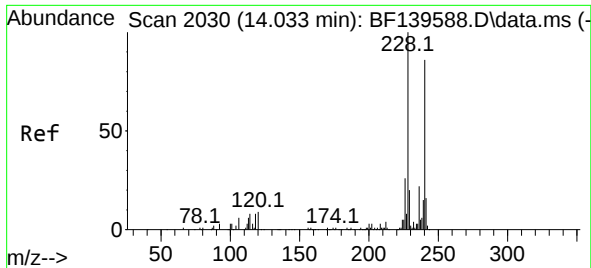
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#75
Fluoranthene
Concen: 22.119 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Tgt Ion:202 Resp: 201965
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.3 0.0 37.7





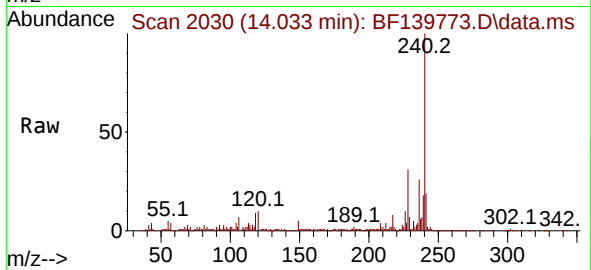
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5

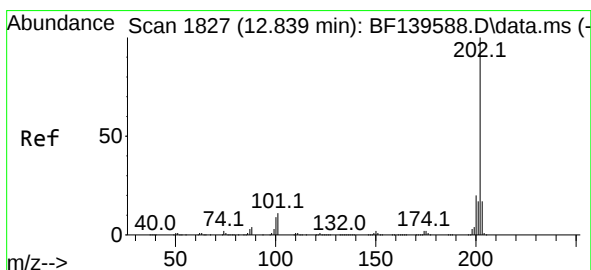
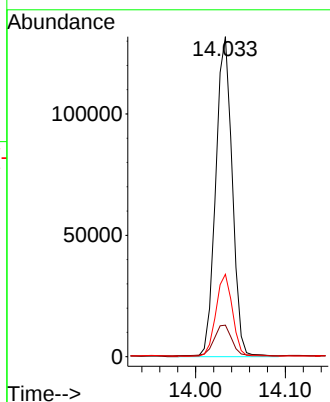
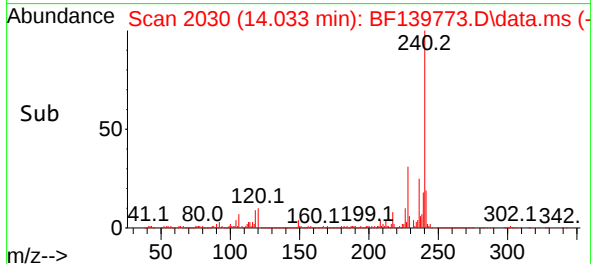


Tgt Ion:240 Resp: 168640
Ion Ratio Lower Upper
240 100
120 9.9 8.4 12.6
236 25.8 20.3 30.5

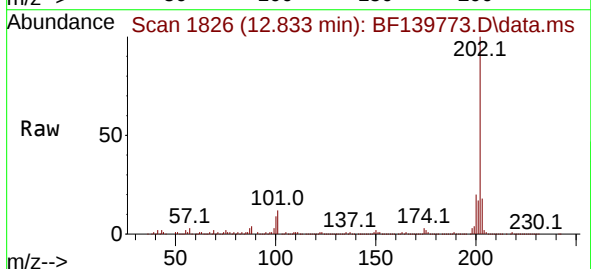
Manual Integrations

APPROVED

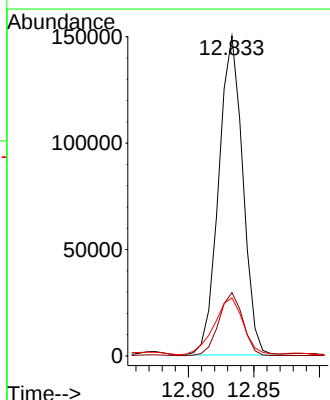
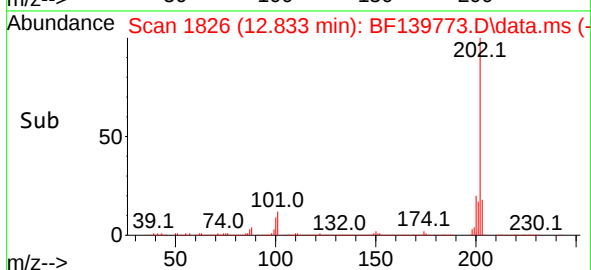
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

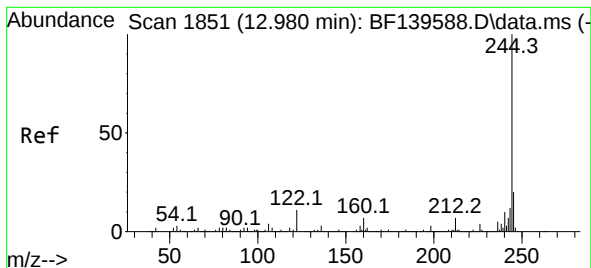


#78
Pyrene
Concen: 12.715 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20



Tgt Ion:202 Resp: 191781
Ion Ratio Lower Upper
202 100
200 19.8 15.8 23.6
203 18.1 13.8 20.8





#79

Terphenyl-d14

Concen: 59.737 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5

Tgt Ion:244 Resp: 613958

Ion Ratio Lower Upper

244 100

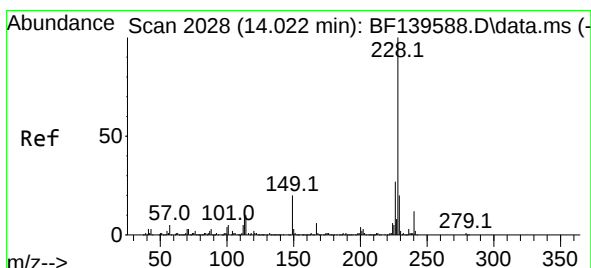
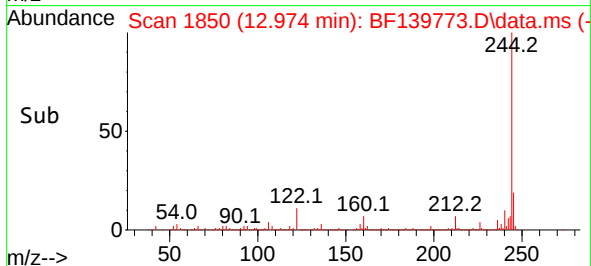
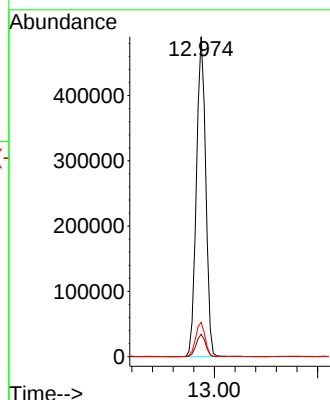
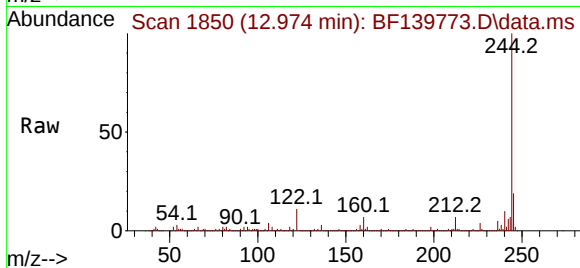
212 7.0 5.8 8.6

122 10.8 8.6 12.8

Manual Integrations

APPROVED

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



#81

Benzo(a)anthracene

Concen: 10.756 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

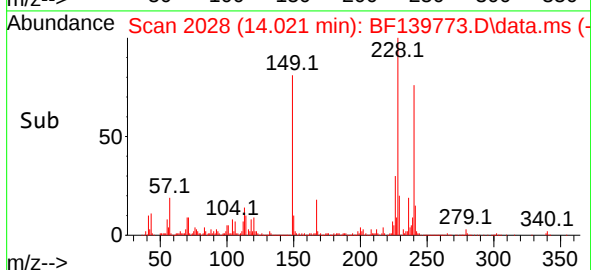
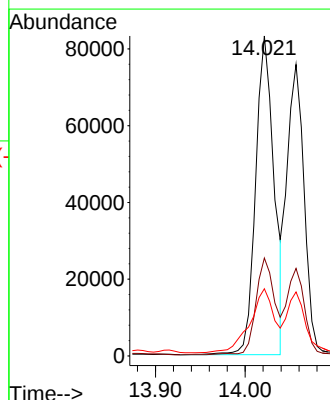
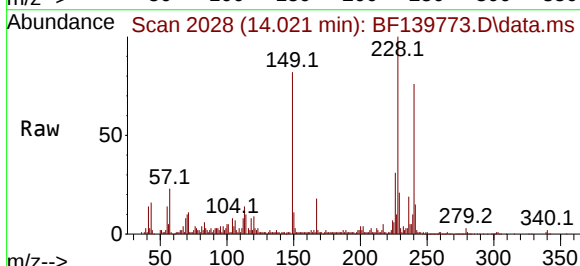
Tgt Ion:228 Resp: 119252

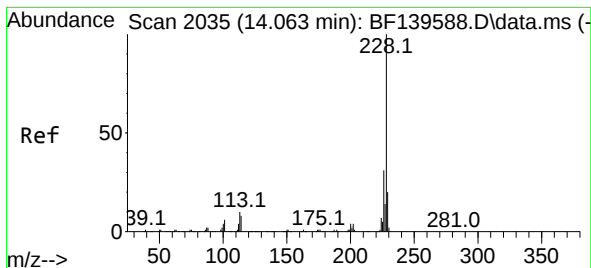
Ion Ratio Lower Upper

228 100

226 30.6 21.8 32.8

229 21.0 15.8 23.8





#83

Chrysene

Concen: 9.818 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

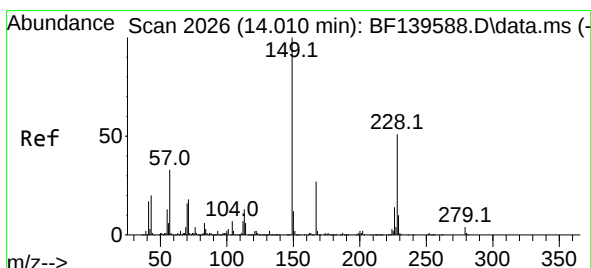
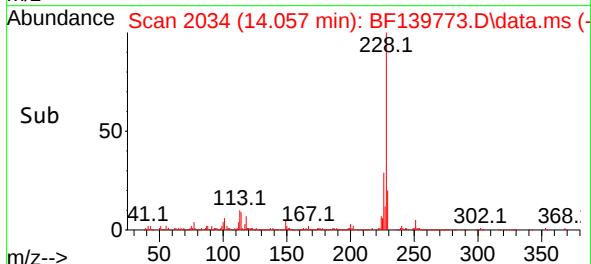
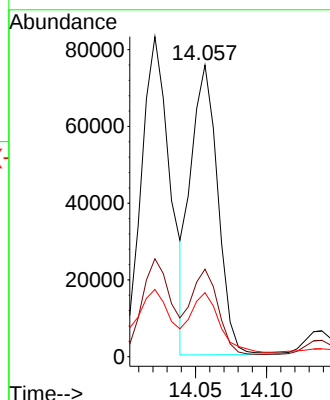
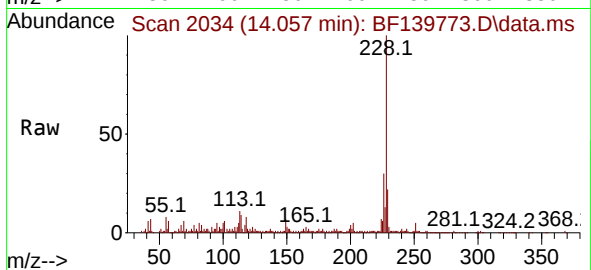
SB-04-2.0-2.5

Tgt Ion:228 Resp: 9952
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.3 36.5
 229 22.0 15.7 23.5

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.160 ng

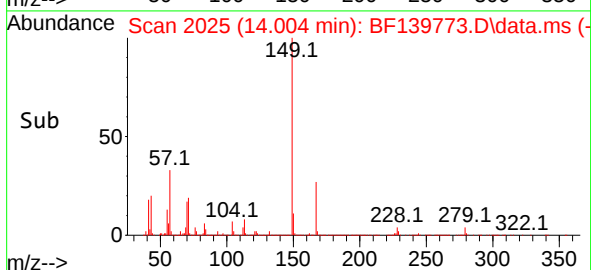
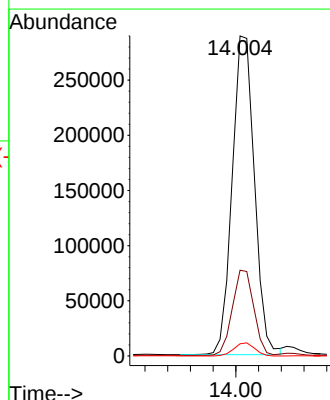
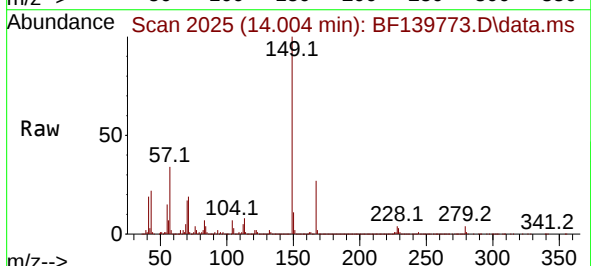
RT: 14.004 min Scan# 2025

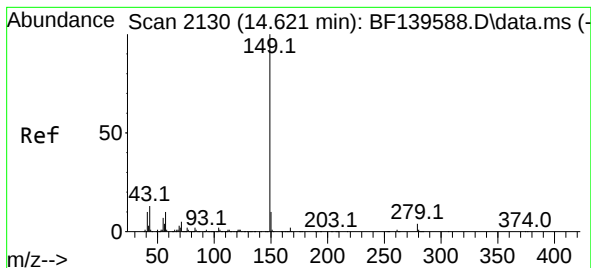
Delta R.T. -0.006 min

Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

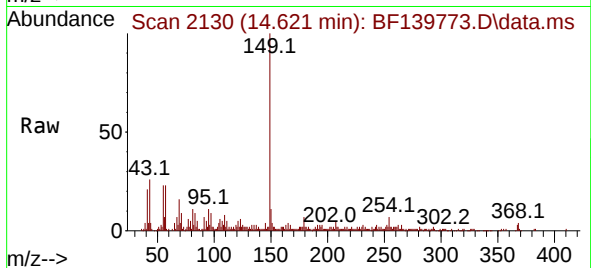
Tgt Ion:149 Resp: 391809
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.7 32.5
 279 3.8 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 5.733 ng
RT: 14.621 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

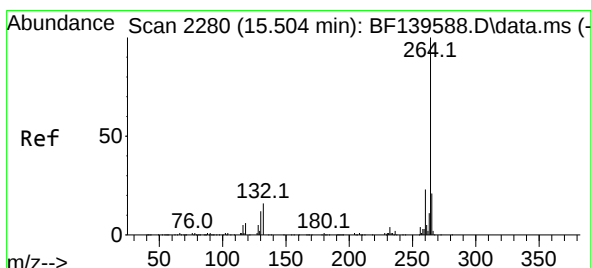
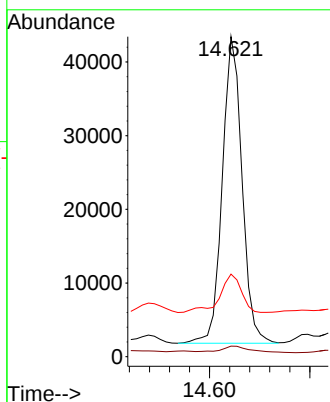
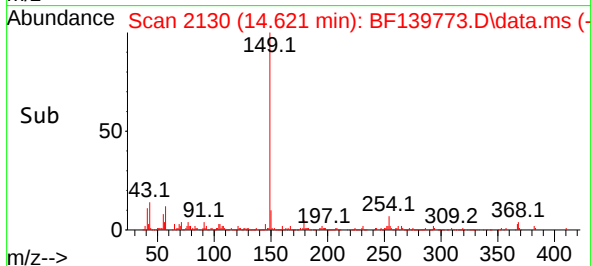
Instrument :
BNA_F
ClientSampleId :
SB-04-2.0-2.5



Tgt Ion:149 Resp: 56742
Ion Ratio Lower Upper
149 100
167 3.1 1.3 1.9
43 14.4 10.2 15.2

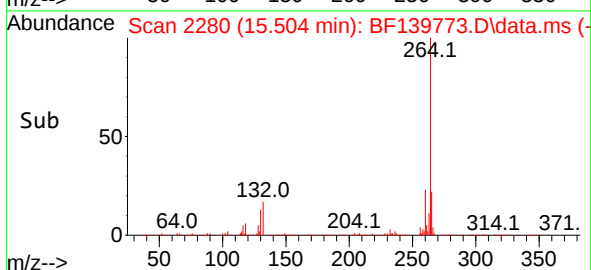
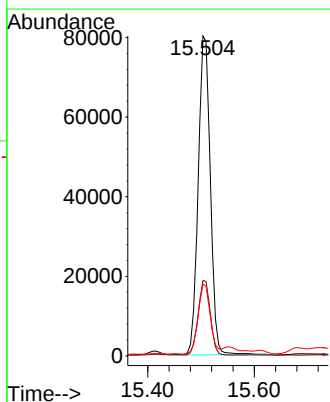
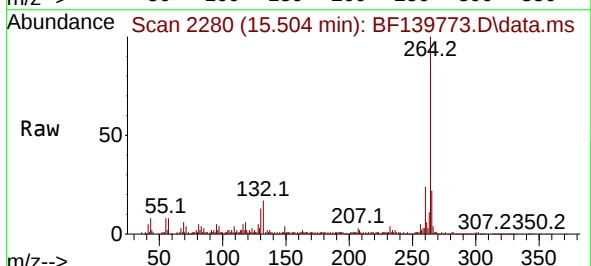
Manual Integrations
APPROVED

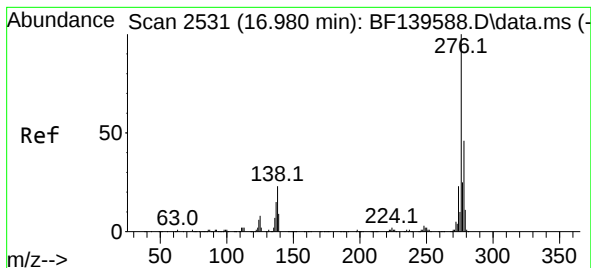
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Tgt Ion:264 Resp: 127071
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.5 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.417 ng

RT: 16.980 min Scan# 2531

Delta R.T. -0.000 min

Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5

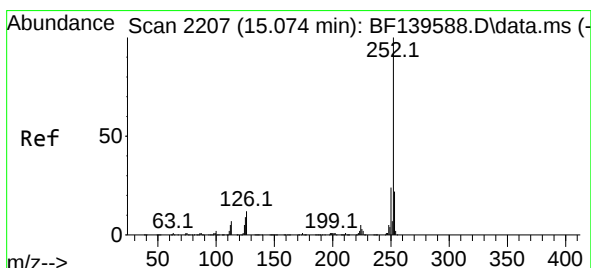
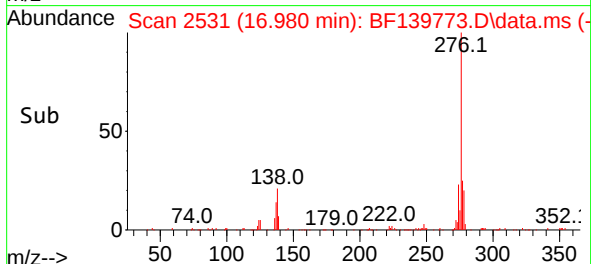
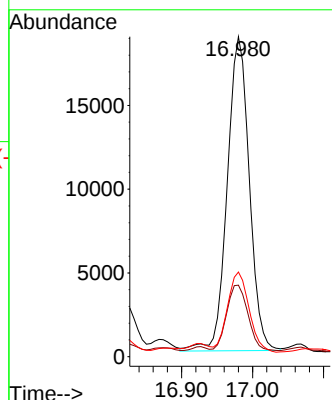
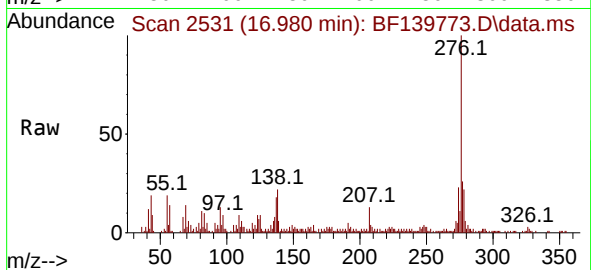
Tgt Ion: 276 Resp: 40518

Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.4	29.0
277	24.9	20.2	30.2

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 13.574 ng m

RT: 15.074 min Scan# 2207

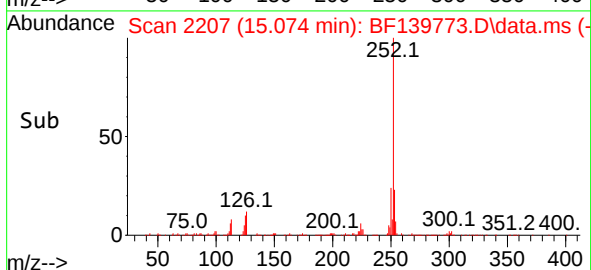
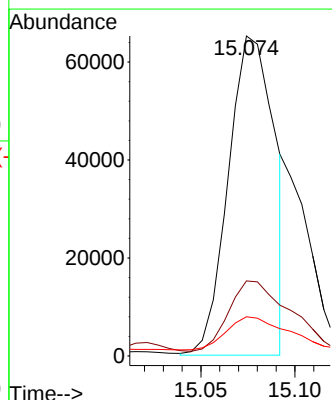
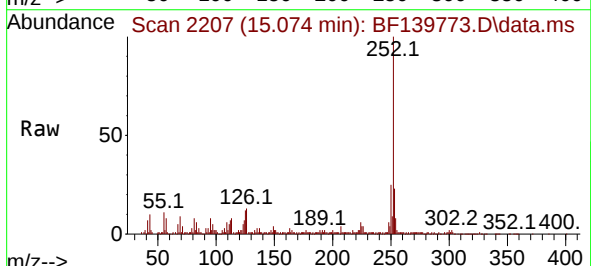
Delta R.T. -0.000 min

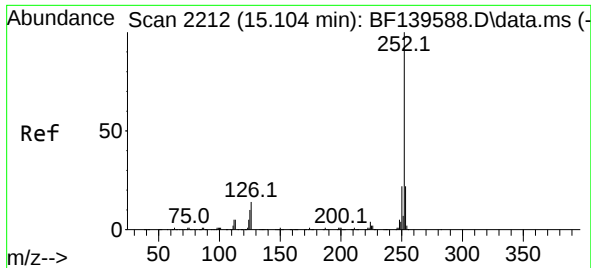
Lab File: BF139773.D

Acq: 11 Oct 2024 14:20

Tgt Ion: 252 Resp: 111528

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	12.2	7.4	11.0





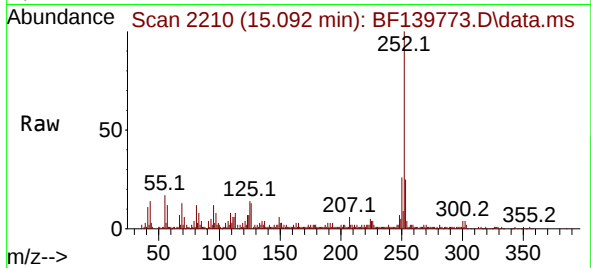
#89
Benzo(k)fluoranthene
Concen: 5.268 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5

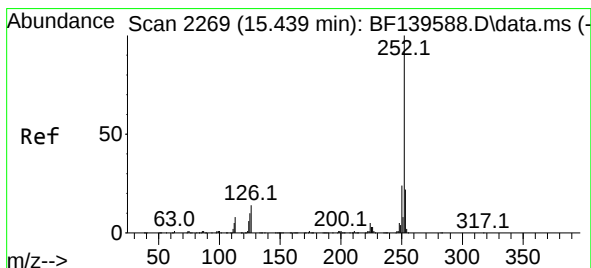
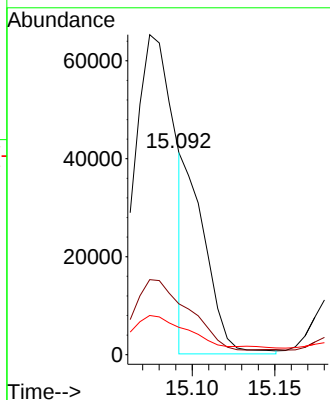
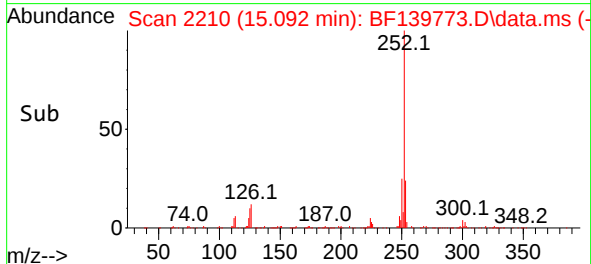


Tgt Ion:252 Resp: 36714
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 13.5 7.6 11.4

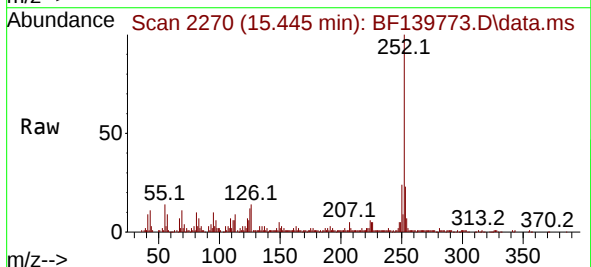
Manual Integrations

APPROVED

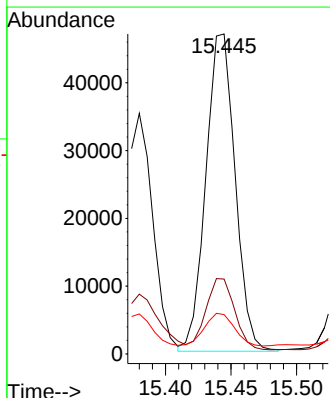
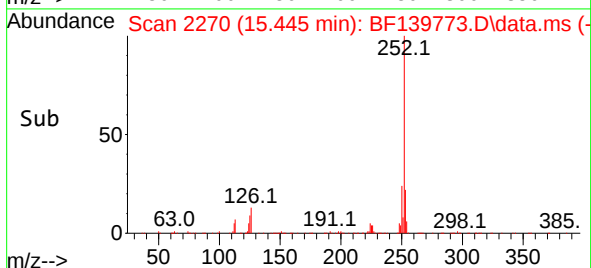
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

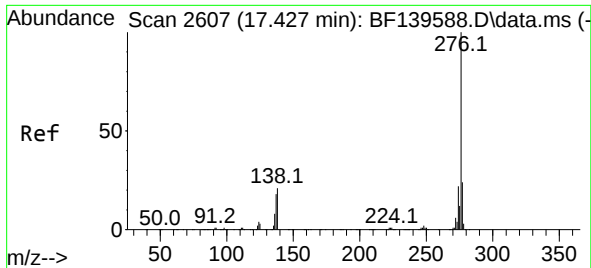


#90
Benzo(a)pyrene
Concen: 11.238 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF139773.D
Acq: 11 Oct 2024 14:20



Tgt Ion:252 Resp: 72805
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 12.3 8.3 12.5





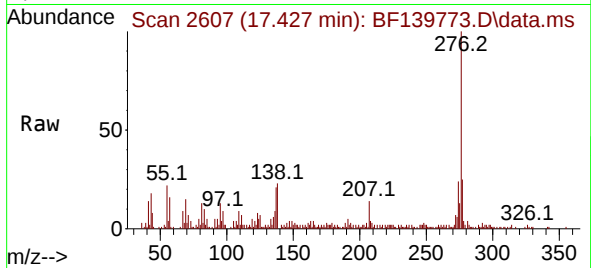
#92
 Benzo(g,h,i)perylene
 Concen: 6.435 ng
 RT: 17.427 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF139773.D
 Acq: 11 Oct 2024 14:20

Instrument :

BNA_F

ClientSampleId :

SB-04-2.0-2.5



Tgt Ion:276 Resp: 40035
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.0 28.6
 138 22.7 17.0 25.6

Manual Integrations

APPROVED

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

