

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139406.D
 Acq On : 17 Sep 2024 17:07
 Operator : RC/JU
 Sample : P3985-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024

Quant Time: Sep 17 17:37:16 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	6.875	152	62180	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	217804	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	96570	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	136346	20.000	ng	0.00
76) Chrysene-d12	14.027	240	101545	20.000	ng	0.00
86) Perylene-d12	15.498	264	67255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	323784	84.948	ng	0.00
7) Phenol-d6	6.504	99	417558	83.462	ng	0.00
23) Nitrobenzene-d5	7.440	82	284035	61.307	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	68087	66.226	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	444189	64.511	ng	0.00
79) Terphenyl-d14	12.980	244	337692	54.585	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.181	128	151857	13.355	ng	99
37) 2-Methylnaphthalene	8.869	142	41577	5.761	ng	98
38) 1-Methylnaphthalene	8.969	142	22216	3.135	ng	98
71) Phenanthrene	11.416	178	25770	3.918	ng	100
72) Anthracene	11.469	178	21355	3.320	ng	98
75) Fluoranthene	12.604	202	31181	4.439	ng	99
78) Pyrene	12.833	202	27780	3.186	ng	97
83) Chrysene	14.057	228	13518m	2.184	ng	
88) Benzo(b)fluoranthene	15.069	252	8579m	2.068	ng	

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

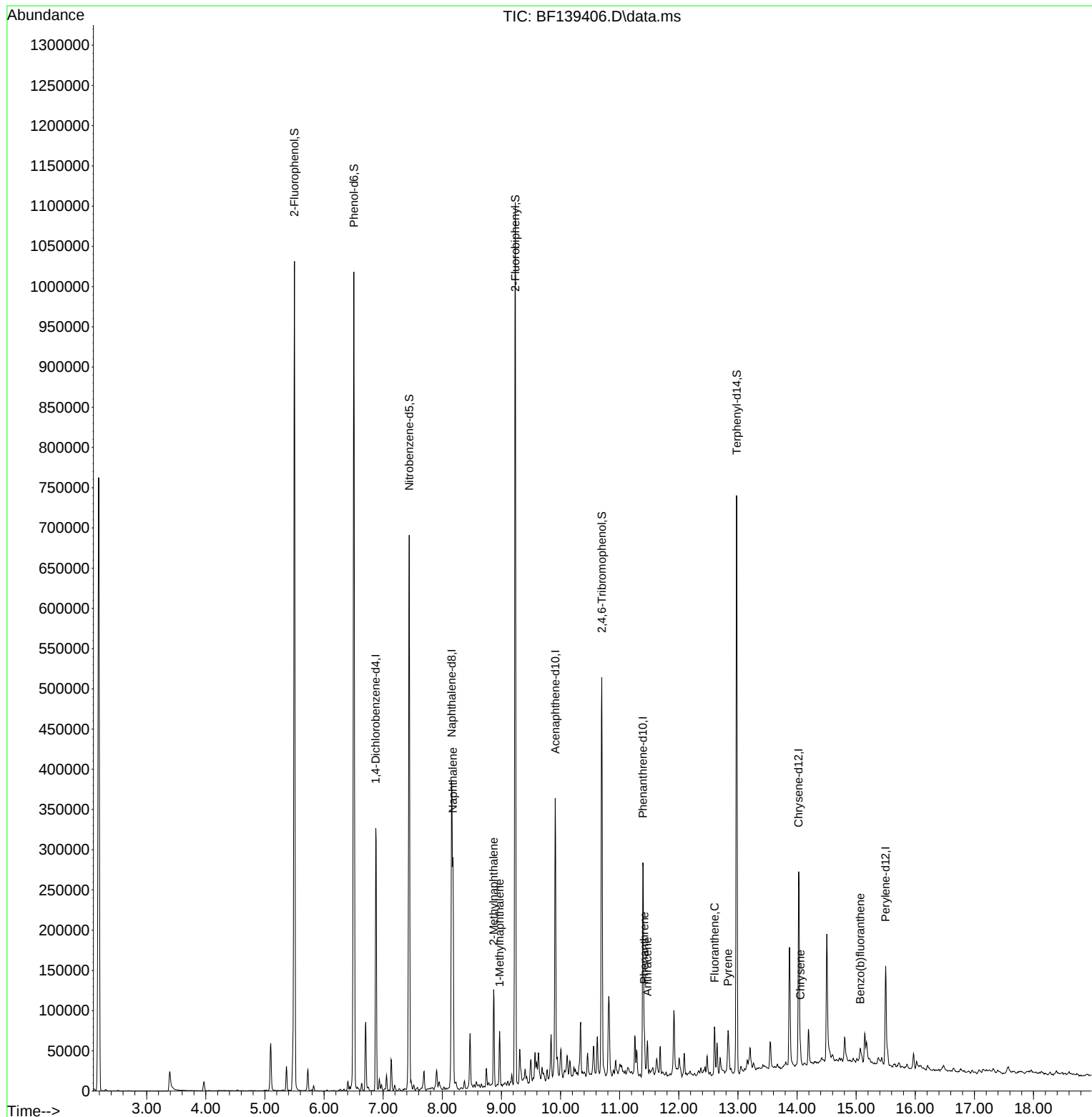
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
Data File : BF139406.D
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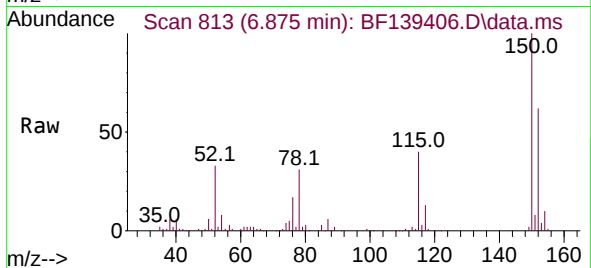
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

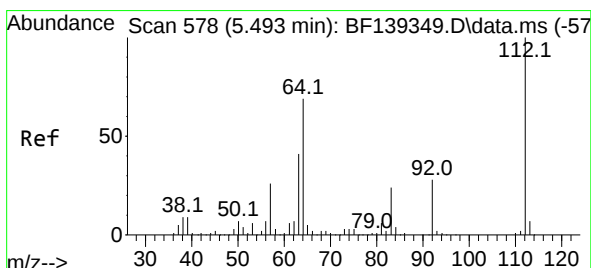
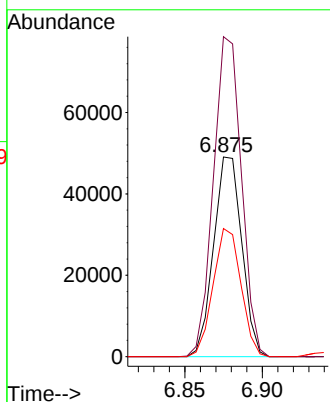
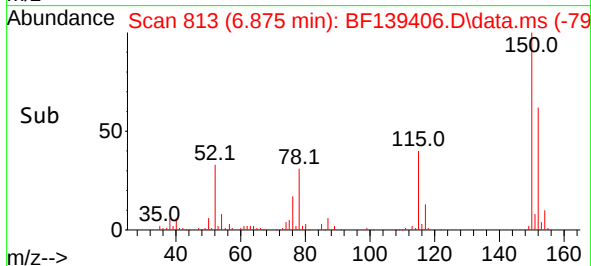
Instrument :
BNA_F
ClientSampleId :
TP-3



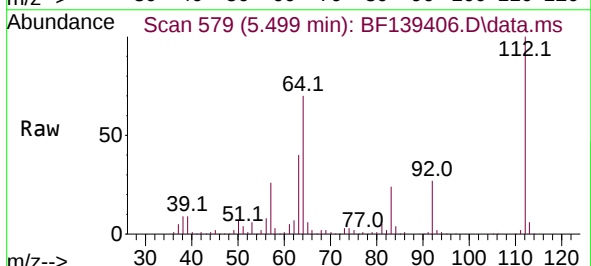
Tgt Ion:152 Resp: 62180
Ion Ratio Lower Upper
152 100
150 160.3 124.1 186.1
115 64.2 48.1 72.1

Manual Integrations
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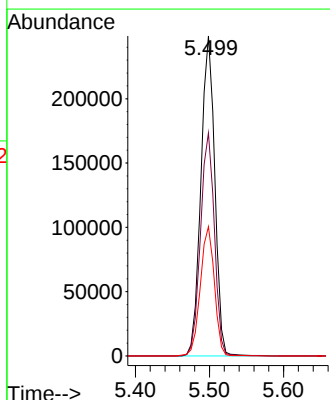
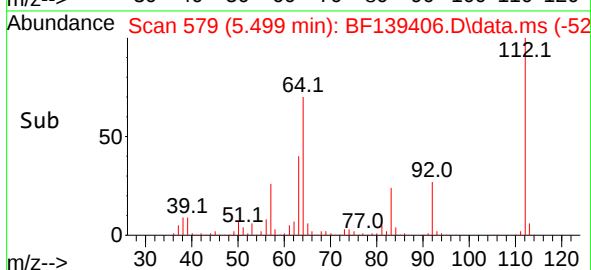
Reviewed By :Jagrut Upadhyay 09/18/2024
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#5
2-Fluorophenol
Concen: 84.948 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07



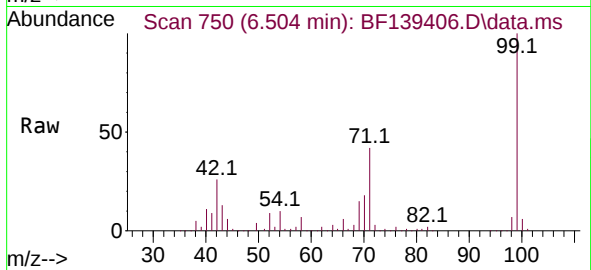
Tgt Ion:112 Resp: 323784
Ion Ratio Lower Upper
112 100
64 69.7 54.8 82.2
63 40.4 33.0 49.4





#7
Phenol-d6
Concen: 83.462 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

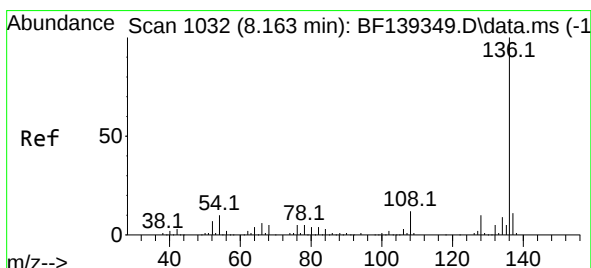
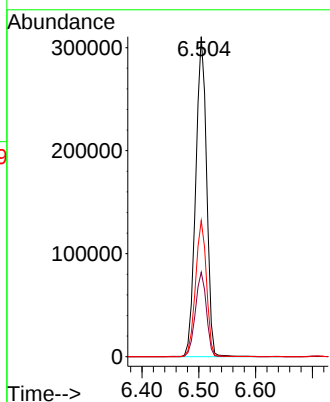
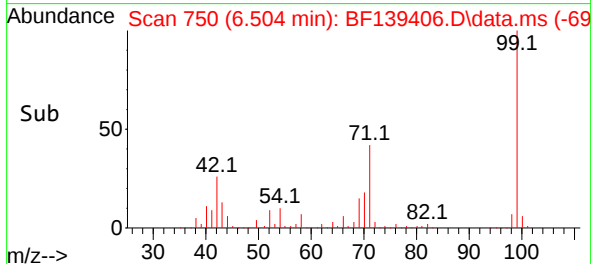
Instrument :
BNA_F
ClientSampleId :
TP-3



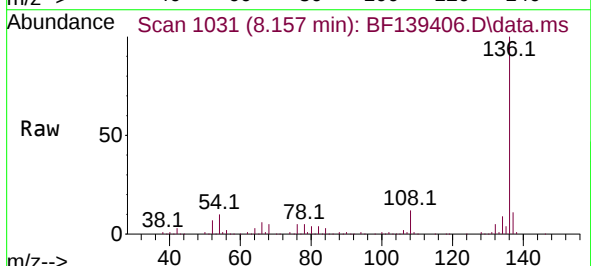
Tgt Ion: 99 Resp: 417558
Ion Ratio Lower Upper
99 100
42 26.4 21.9 32.9
71 42.5 34.6 52.0

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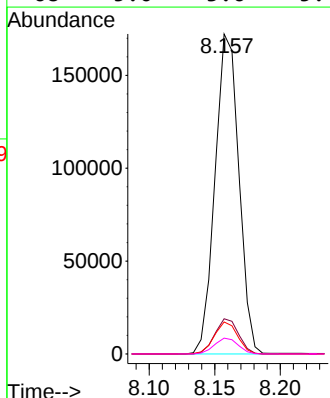
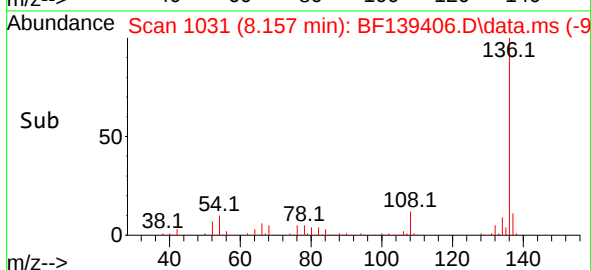
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

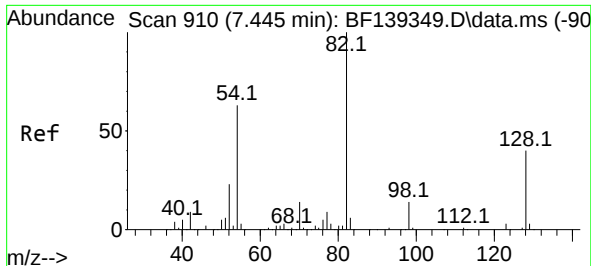


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07



Tgt Ion:136 Resp: 217804
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.0 7.8 11.8
68 5.0 3.6 5.4





#23

Nitrobenzene-d5

Concen: 61.307 ng

RT: 7.440 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_F

ClientSampleId :

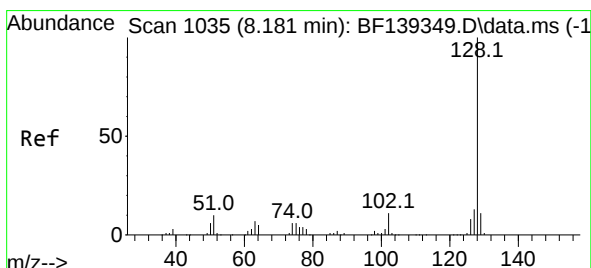
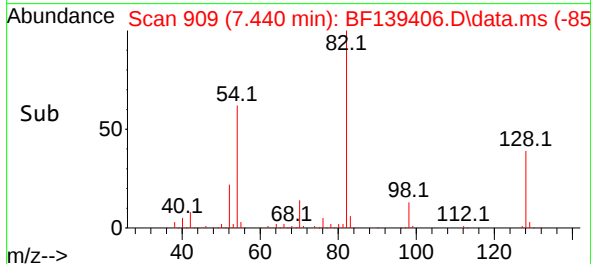
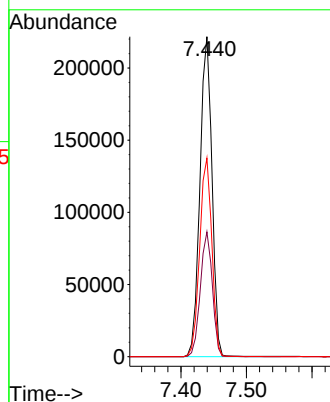
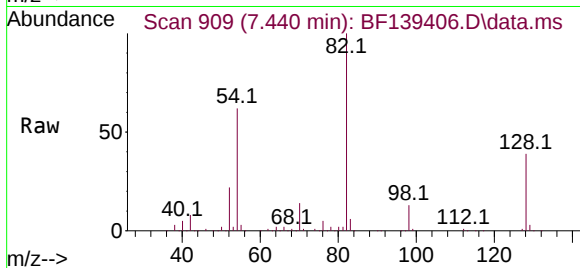
TP-3

Tgt Ion: 82 Resp: 284035
 Ion Ratio Lower Upper
 82 100
 128 39.0 31.8 47.6
 54 62.0 50.6 75.8

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#31

Naphthalene

Concen: 13.355 ng

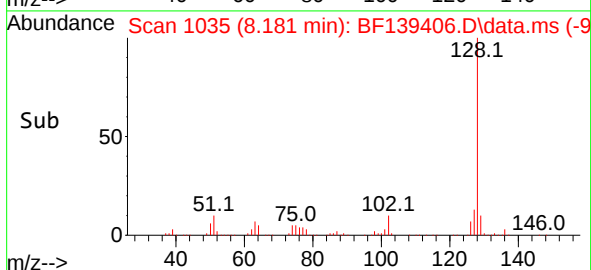
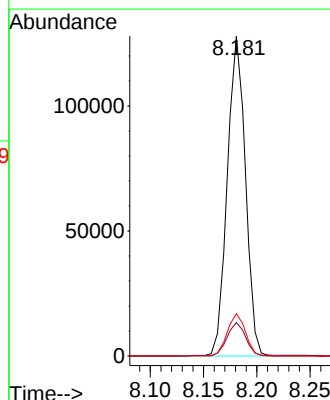
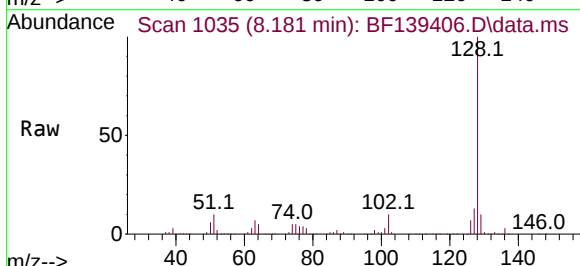
RT: 8.181 min Scan# 1035

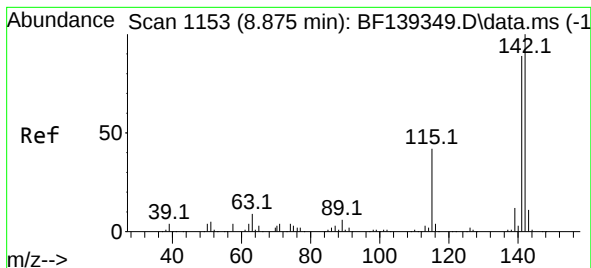
Delta R.T. -0.000 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

Tgt Ion:128 Resp: 151857
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.6 13.0
 127 13.2 10.6 16.0





#37

2-Methylnaphthalene

Concen: 5.761 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:142 Resp: 4157

Ion Ratio Lower Upper

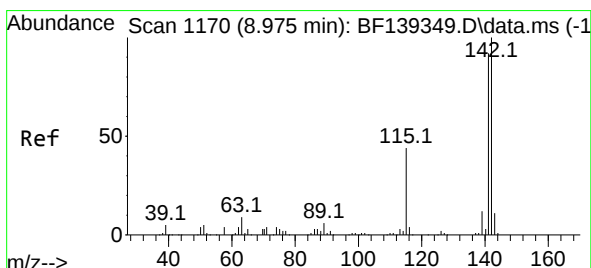
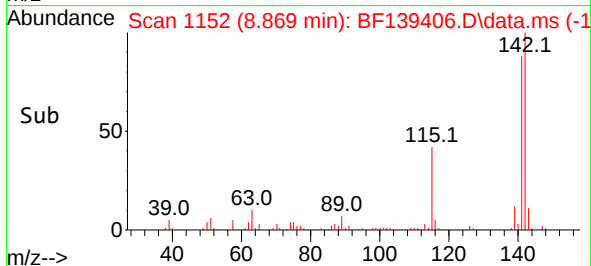
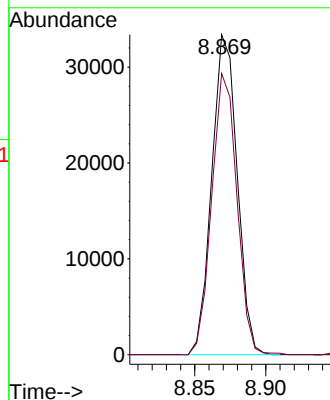
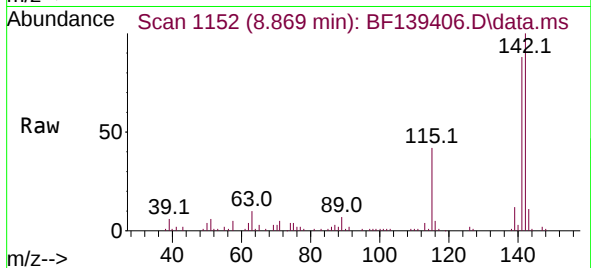
142 100

141 87.9 71.6 107.4

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 3.135 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF139406.D

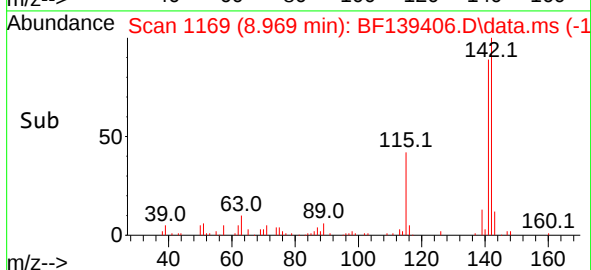
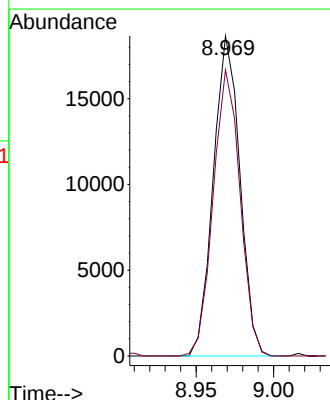
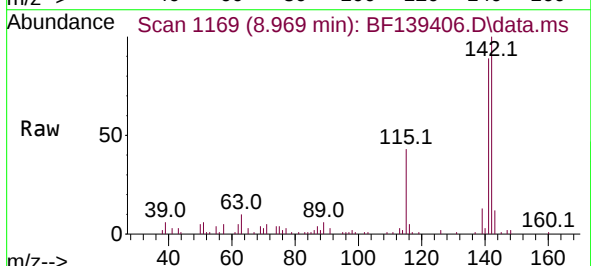
Acq: 17 Sep 2024 17:07

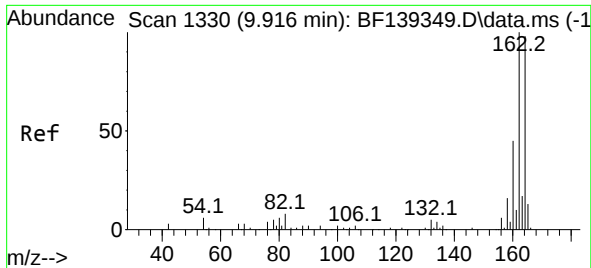
Tgt Ion:142 Resp: 22216

Ion Ratio Lower Upper

142 100

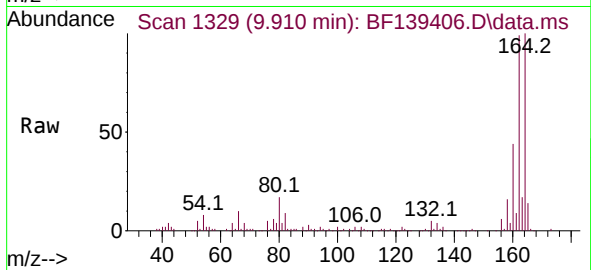
141 89.4 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

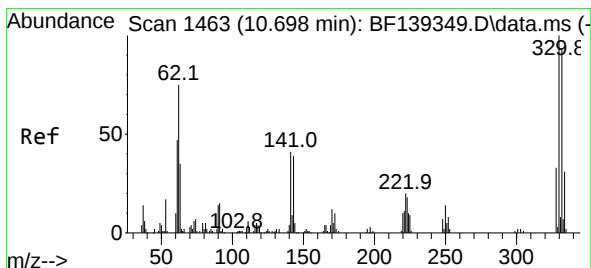
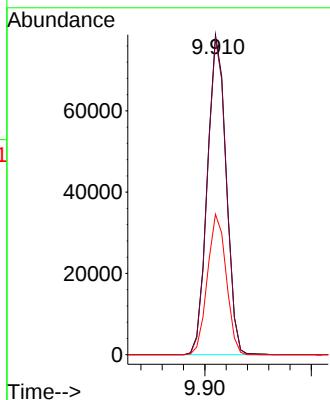
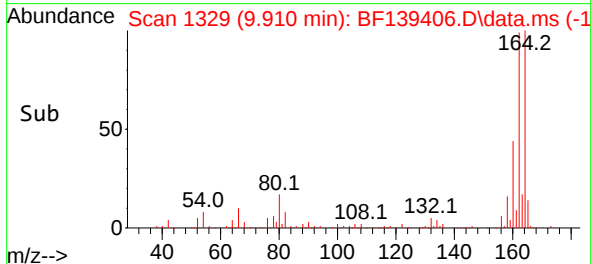
Instrument :
BNA_F
ClientSampleId :
TP-3



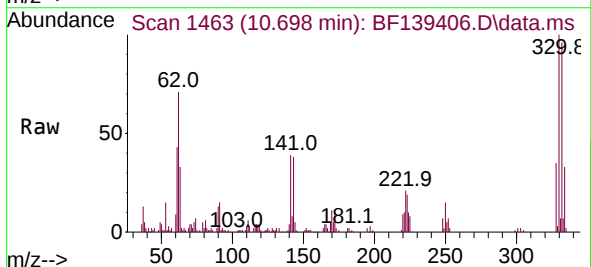
Tgt Ion:164 Resp: 96570
Ion Ratio Lower Upper
164 100
162 99.0 81.3 121.9
160 43.9 36.4 54.6

Manual Integrations
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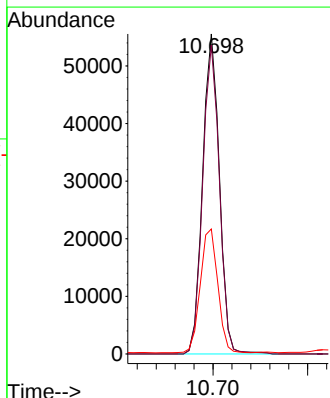
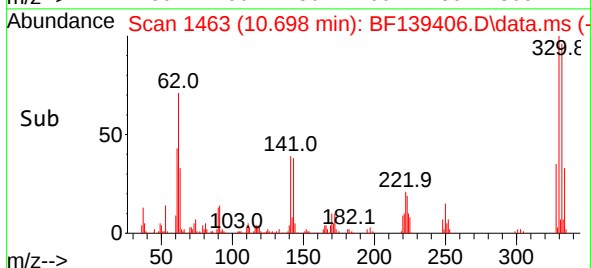
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

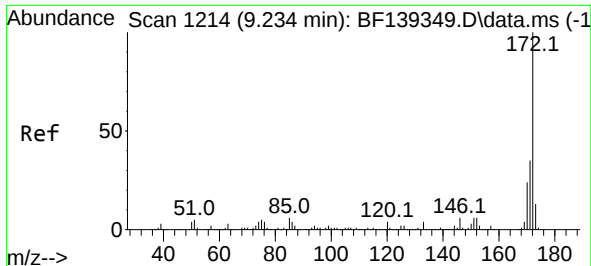


#42
2,4,6-Tribromophenol
Concen: 66.226 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07



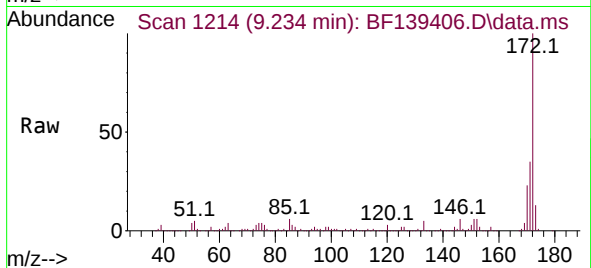
Tgt Ion:330 Resp: 68087
Ion Ratio Lower Upper
330 100
332 96.2 75.2 112.8
141 40.2 31.2 46.8





#45
2-Fluorobiphenyl
Concen: 64.511 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

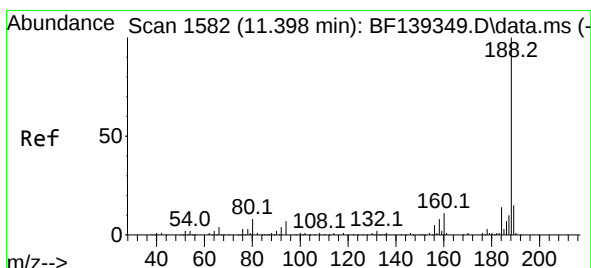
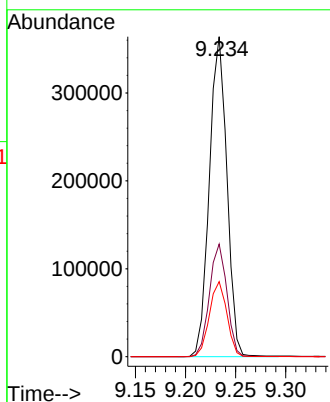
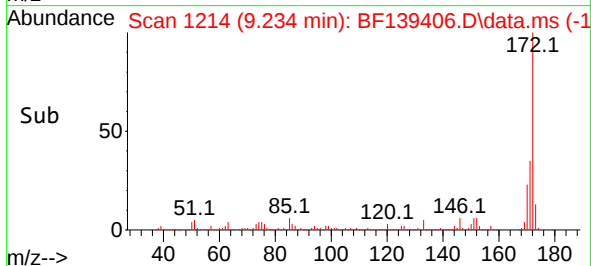
Instrument :
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Tgt Ion:172 Resp: 444189
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.5 19.0 28.6

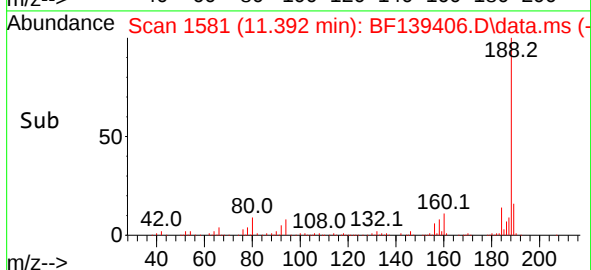
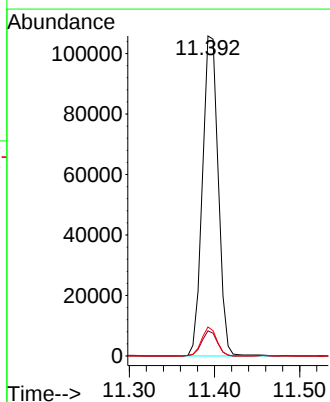
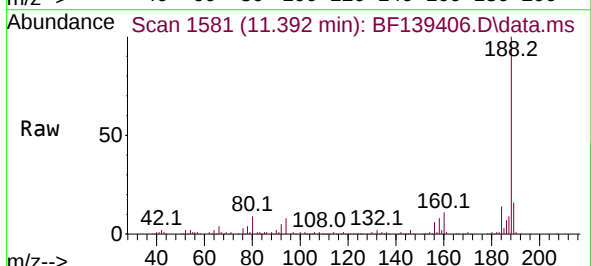
Manual Integrations
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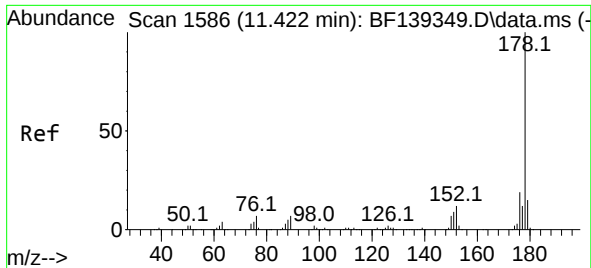
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion:188 Resp: 136346
Ion Ratio Lower Upper
188 100
94 7.8 5.5 8.3
80 9.0 6.6 9.8





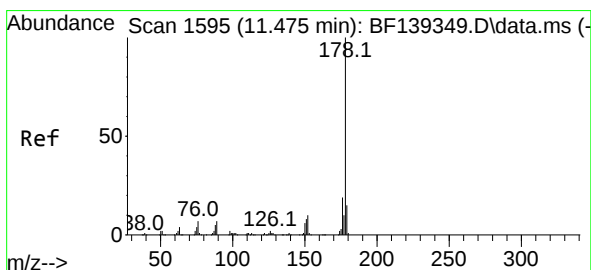
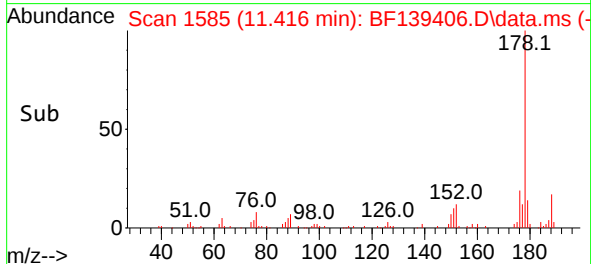
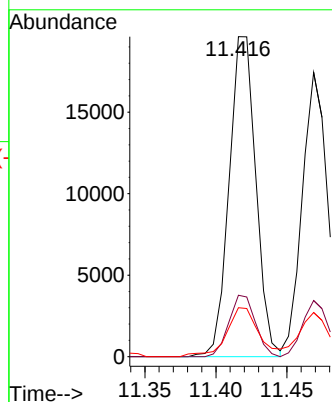
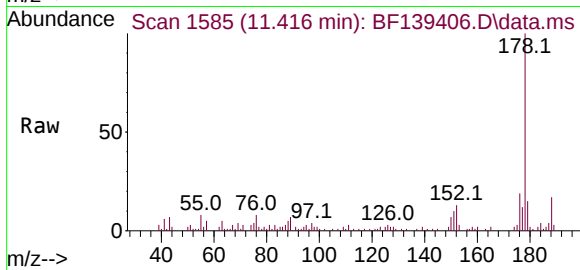
#71
Phenanthrene
Concen: 3.918 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:178 Resp: 25770
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.3 12.2 18.4

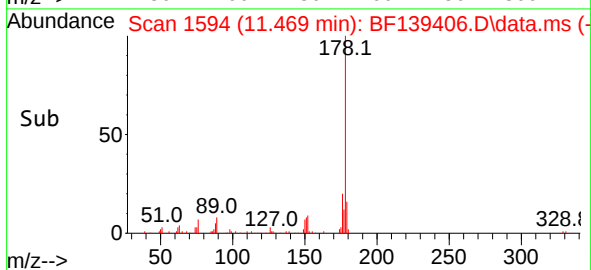
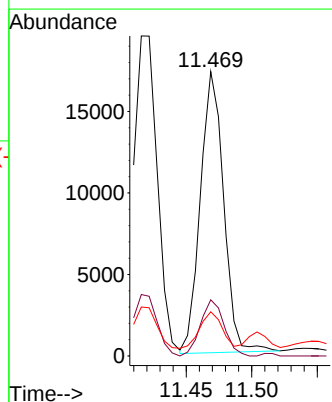
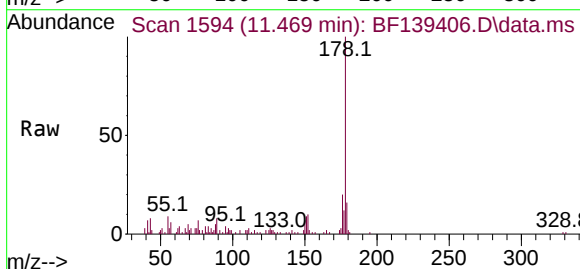
Manual Integrations
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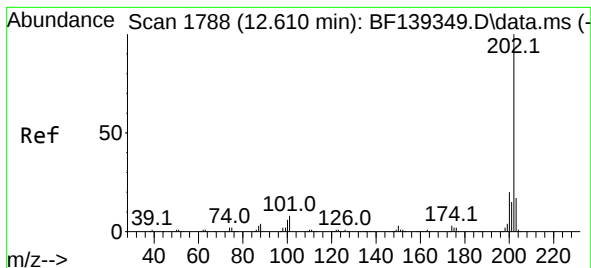
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#72
Anthracene
Concen: 3.320 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

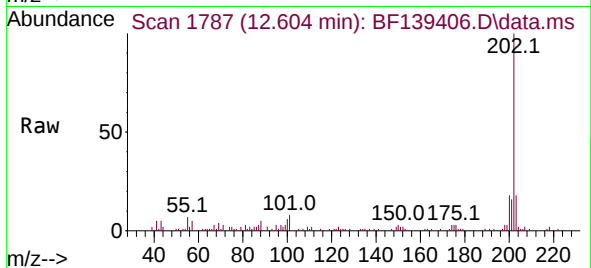
Tgt Ion:178 Resp: 21355
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.6
179 15.5 12.0 18.0





#75
Fluoranthene
Concen: 4.439 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

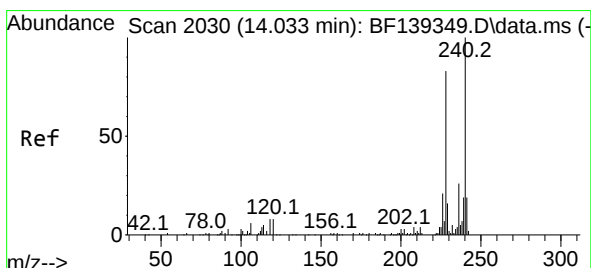
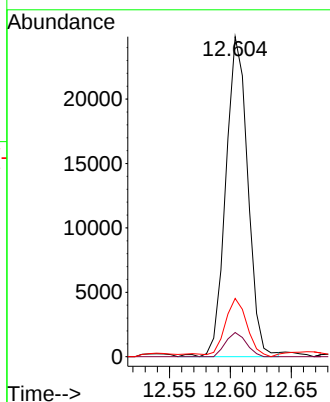
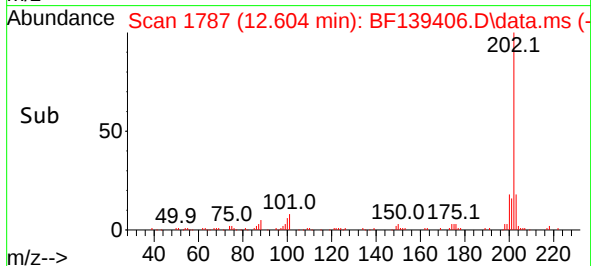
Instrument :
BNA_F
ClientSampleId :
TP-3



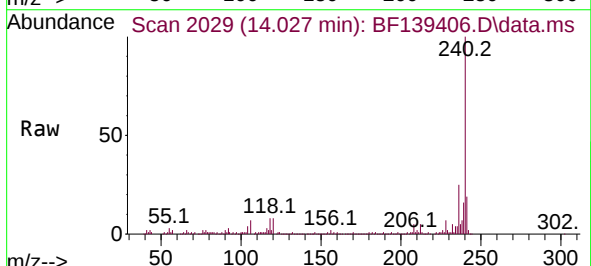
Tgt Ion:202 Resp: 3118
Ion Ratio Lower Upper
202 100
101 7.6 0.0 27.7
203 18.2 0.0 37.4

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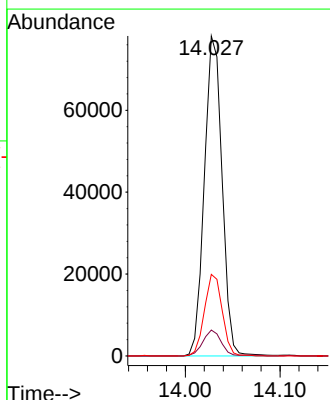
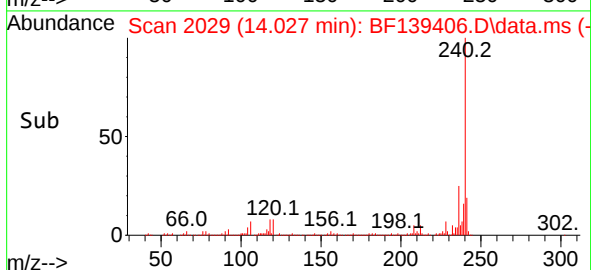
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

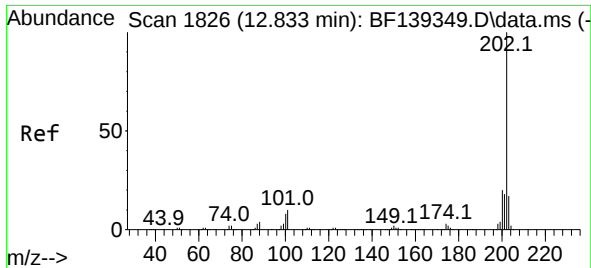


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07



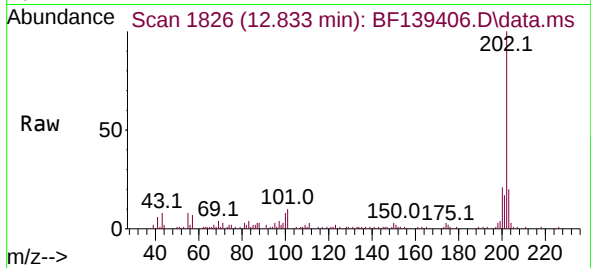
Tgt Ion:240 Resp: 101545
Ion Ratio Lower Upper
240 100
120 8.1 6.2 9.2
236 25.5 20.9 31.3





#78
Pyrene
Concen: 3.186 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

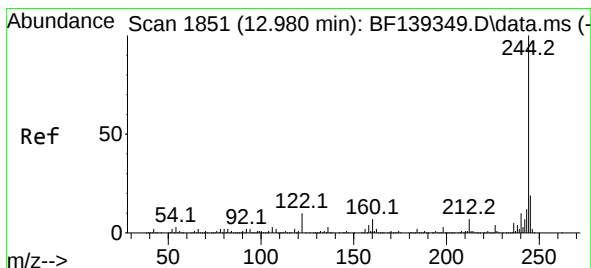
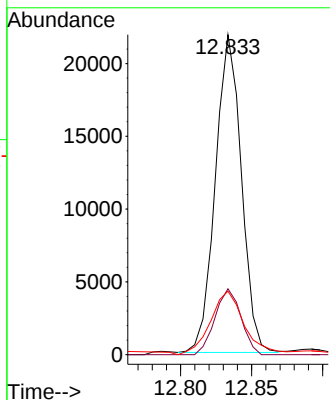
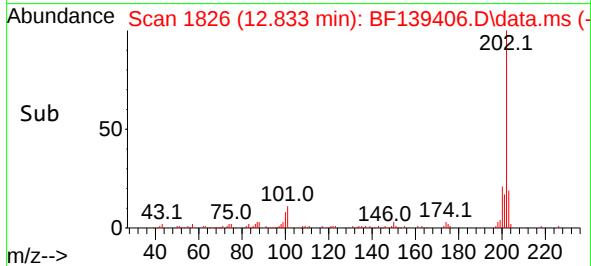
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:202 Resp: 27780
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 19.8 13.9 20.9

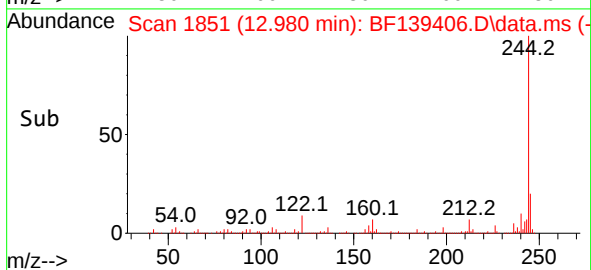
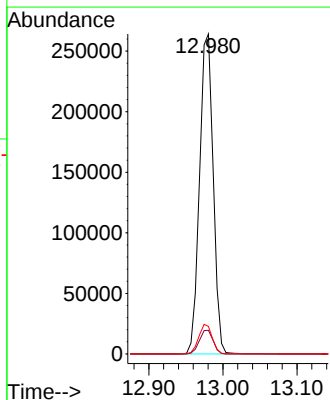
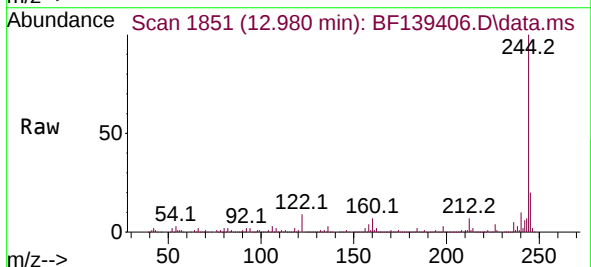
Manual Integrations
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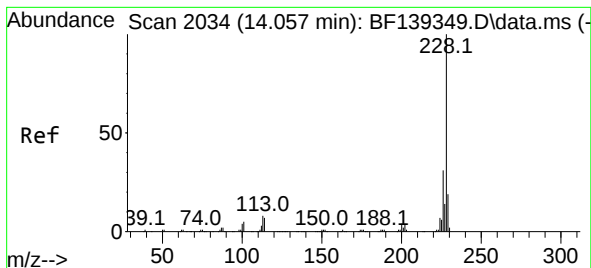
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#79
Terphenyl-d14
Concen: 54.585 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF139406.D
Acq: 17 Sep 2024 17:07

Tgt Ion:244 Resp: 337692
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 8.6 7.6 11.4





#83

Chrysene

Concen: 2.184 ng m

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_F

ClientSampleId :

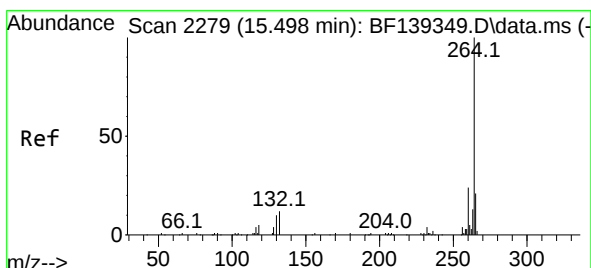
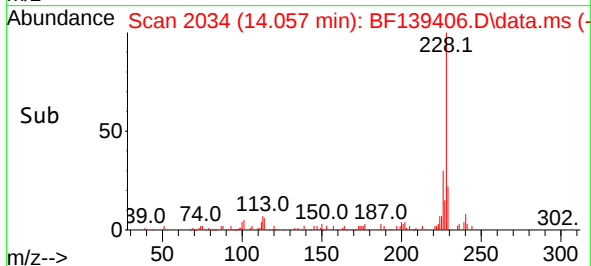
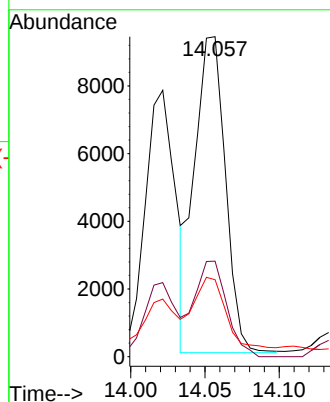
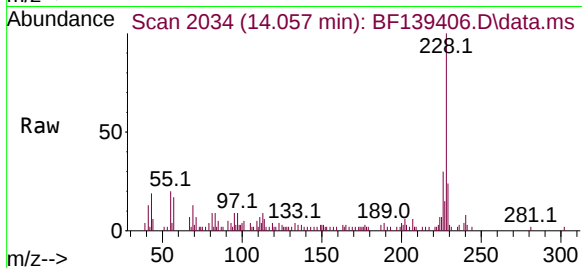
TP-3

Tgt Ion:228	Resp:	13518
Ion Ratio	Lower	Upper
228	100	
226	29.8	24.1 36.1
229	24.0	15.4 23.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#86

Perylene-d12

Concen: 20.000 ng

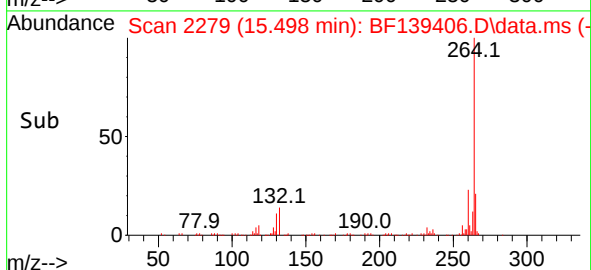
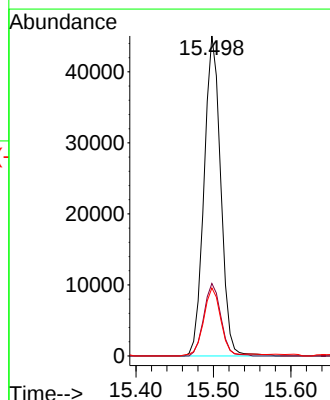
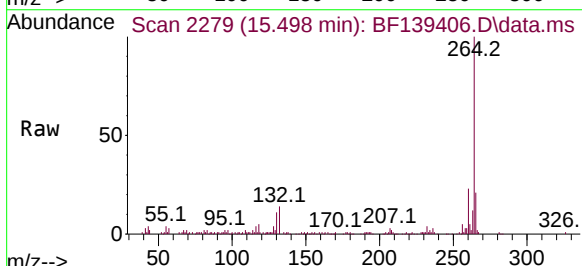
RT: 15.498 min Scan# 2279

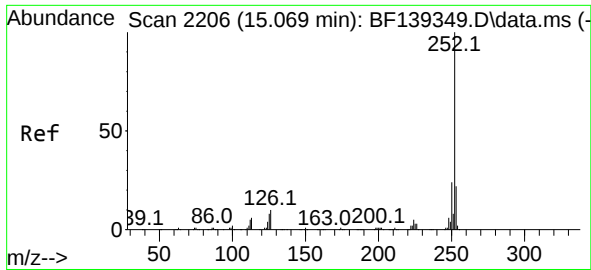
Delta R.T. -0.000 min

Lab File: BF139406.D

Acq: 17 Sep 2024 17:07

Tgt Ion:264	Resp:	67255
Ion Ratio	Lower	Upper
264	100	
260	22.7	19.5 29.3
265	21.2	16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.068 ng m

RT: 15.069 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139406.D

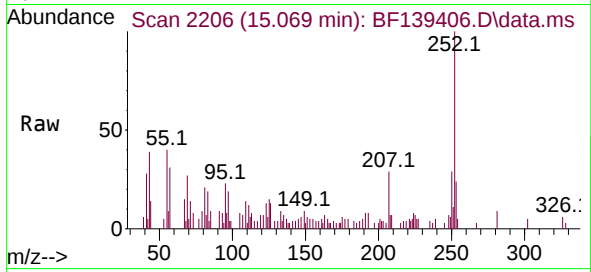
Acq: 17 Sep 2024 17:07

Instrument :

BNA_F

ClientSampleId :

TP-3



Tgt Ion:252 Resp: 8579

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 14.6 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024

