

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139438.D
 Acq On : 18 Sep 2024 21:12
 Operator : RC/JU
 Sample : P4002-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 19 01:29:56 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	64991	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	223054	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	103470	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	162778	20.000	ng	0.00
76) Chrysene-d12	14.033	240	106663	20.000	ng	0.00
86) Perylene-d12	15.504	264	81450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	360907	90.592	ng	0.00
7) Phenol-d6	6.504	99	472278	90.317	ng	0.00
23) Nitrobenzene-d5	7.440	82	310599	65.463	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	83817	76.089	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	507265	68.759	ng	0.00
79) Terphenyl-d14	12.980	244	399863	61.533	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	16893	2.702	ng	97
58) Fluorene	10.457	166	14243	2.003	ng	98
71) Phenanthrene	11.416	178	74719	9.514	ng	99
72) Anthracene	11.469	178	75056	9.775	ng	99
75) Fluoranthene	12.604	202	132633	15.815	ng	99
78) Pyrene	12.833	202	106130	11.588	ng	97
81) Benzo(a)anthracene	14.021	228	37613m	5.324	ng	
83) Chrysene	14.057	228	38497	5.922	ng	96
88) Benzo(b)fluoranthene	15.068	252	23648m	4.708	ng	
90) Benzo(a)pyrene	15.433	252	14760	3.543	ng	# 90

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

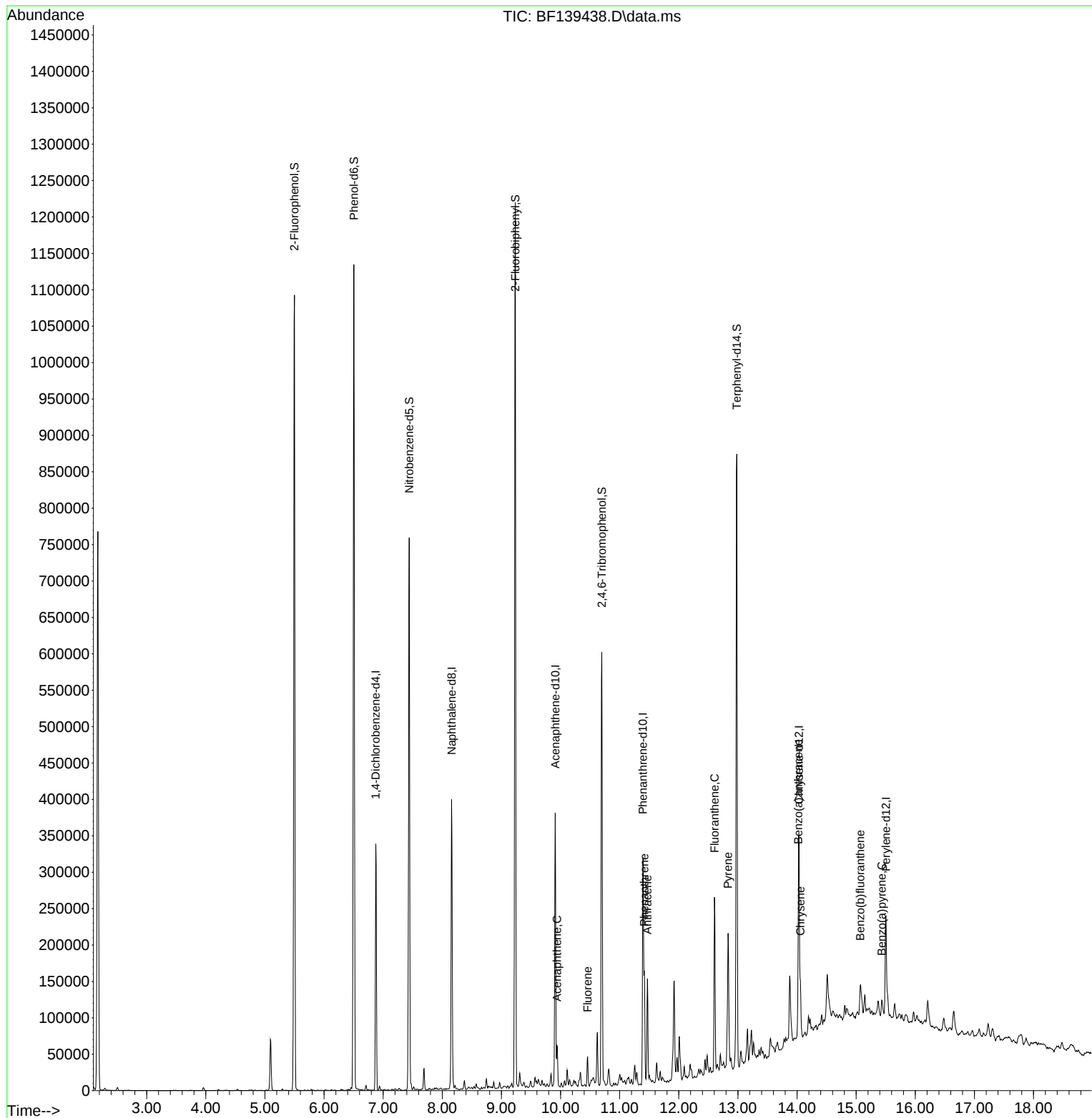
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
Data File : BF139438.D
Acq On : 18 Sep 2024 21:12
Operator : RC/JU
Sample : P4002-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

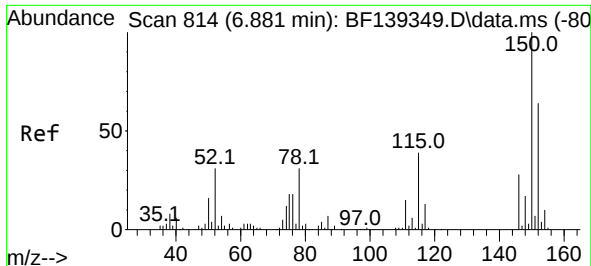
Instrument :
BNA_F
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TP-5

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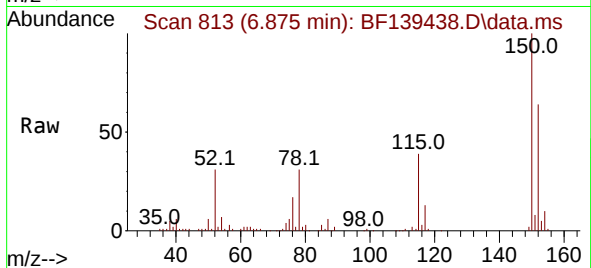
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

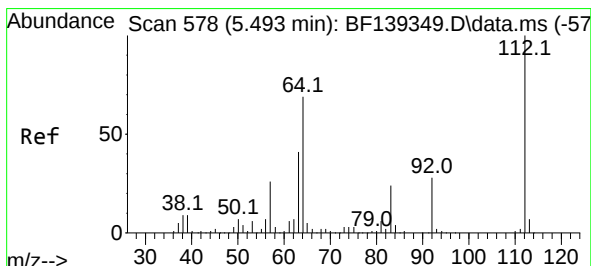
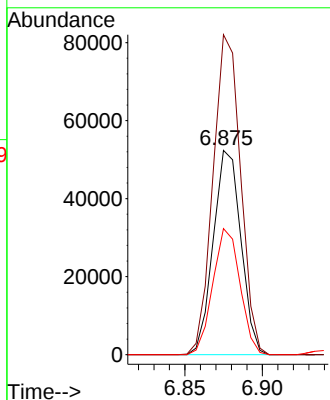
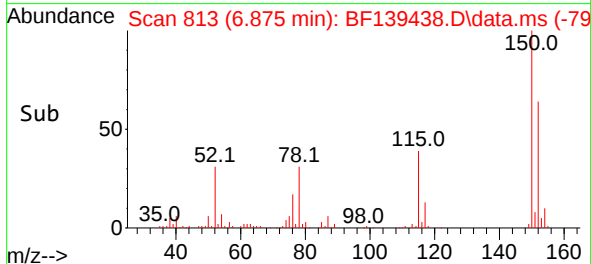
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:152 Resp: 6499
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 61.7 48.1 72.1

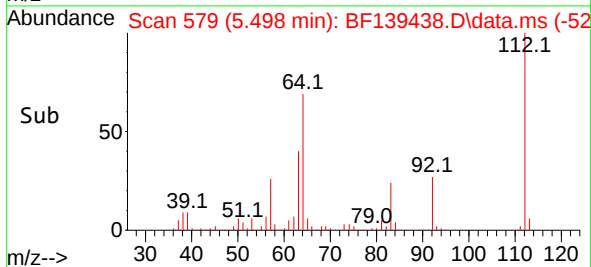
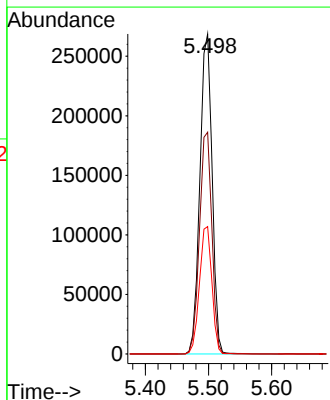
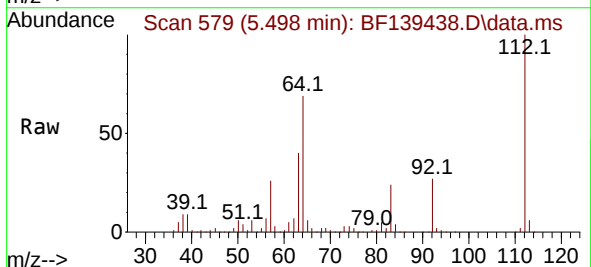
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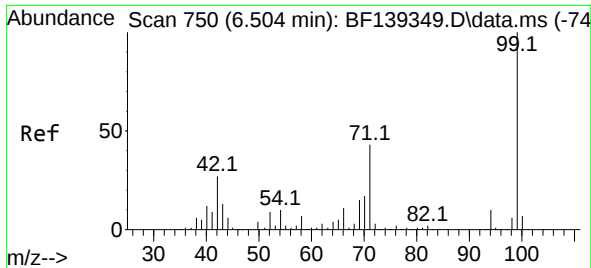
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#5
2-Fluorophenol
Concen: 90.592 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

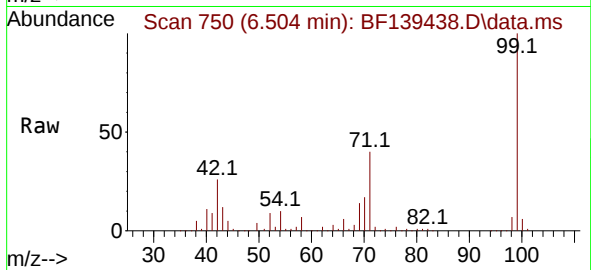
Tgt Ion:112 Resp: 360907
Ion Ratio Lower Upper
112 100
64 69.3 54.8 82.2
63 39.8 33.0 49.4





#7
Phenol-d6
Concen: 90.317 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

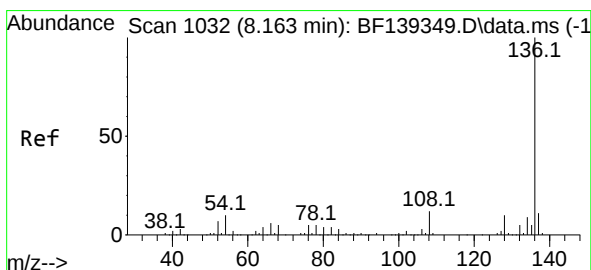
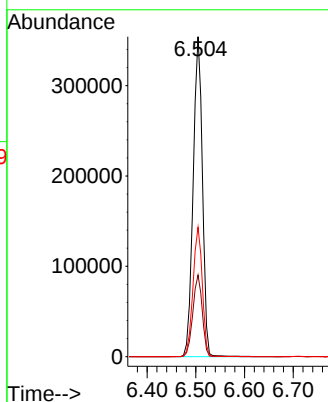
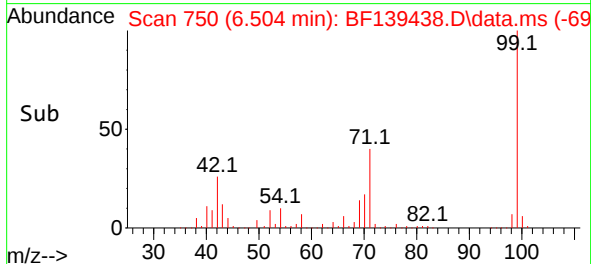
Instrument :
BNA_F
ClientSampleId :
TP-5



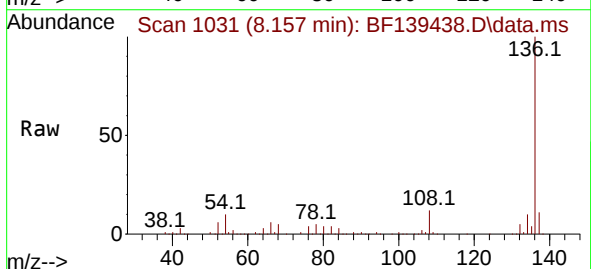
Tgt Ion: 99 Resp: 472278
Ion Ratio Lower Upper
99 100
42 25.5 21.9 32.9
71 40.4 34.6 52.0

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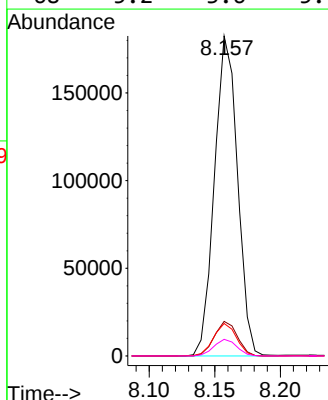
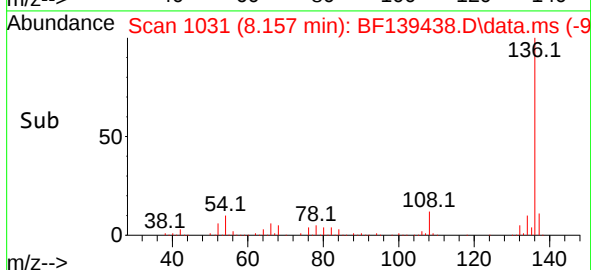
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

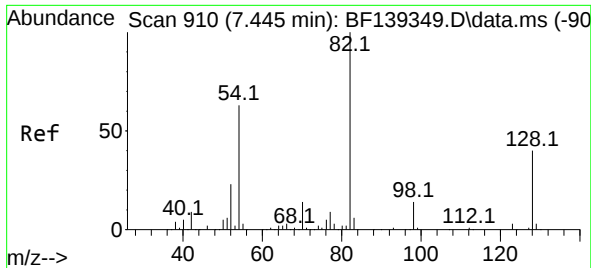


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12



Tgt Ion:136 Resp: 223054
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.1 7.8 11.8
68 5.2 3.6 5.4





#23

Nitrobenzene-d5

Concen: 65.463 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

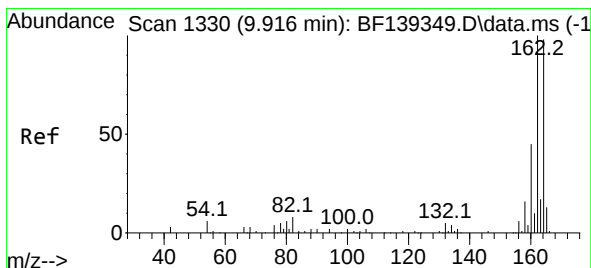
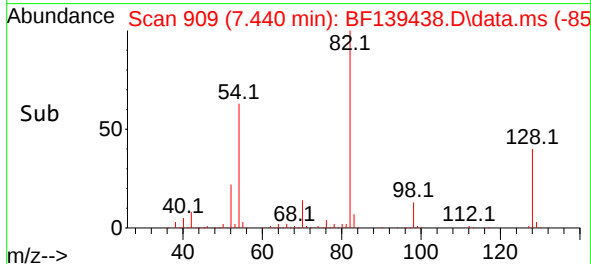
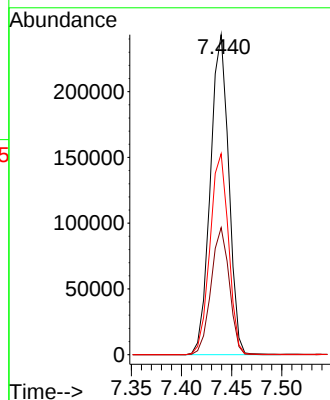
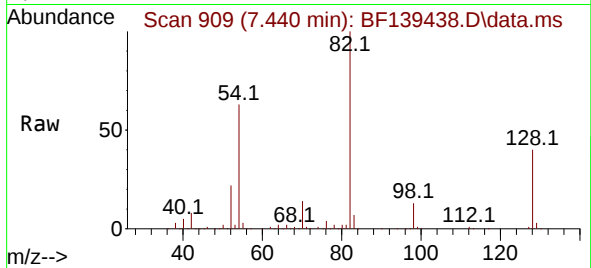
TP-5

Tgt Ion: 82 Resp: 31059
 Ion Ratio Lower Upper
 82 100
 128 39.7 31.8 47.6
 54 62.8 50.6 75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

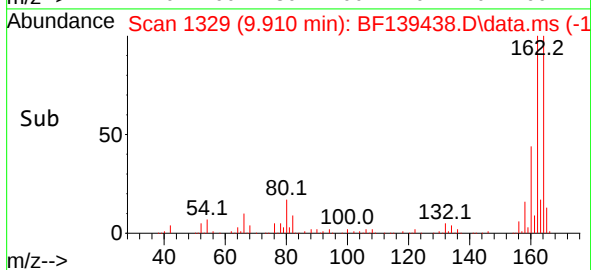
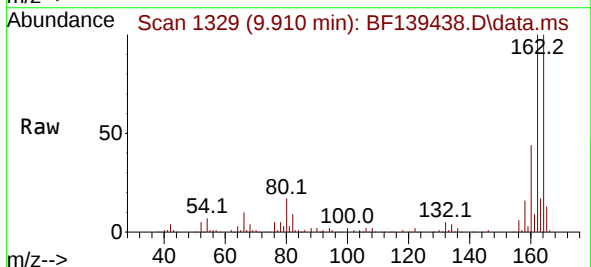
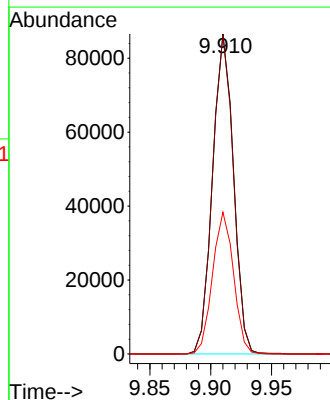
RT: 9.910 min Scan# 1329

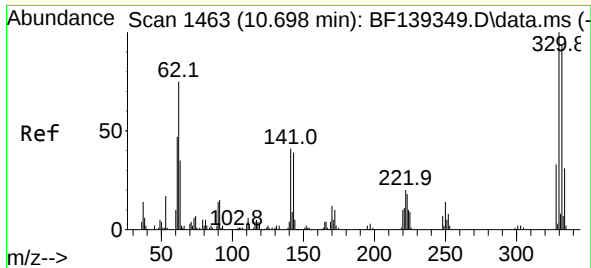
Delta R.T. -0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

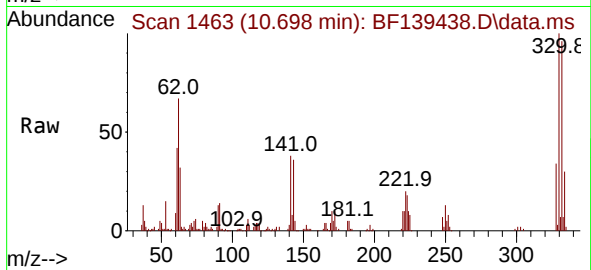
Tgt Ion:164 Resp: 103470
 Ion Ratio Lower Upper
 164 100
 162 99.7 81.3 121.9
 160 44.3 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 76.089 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

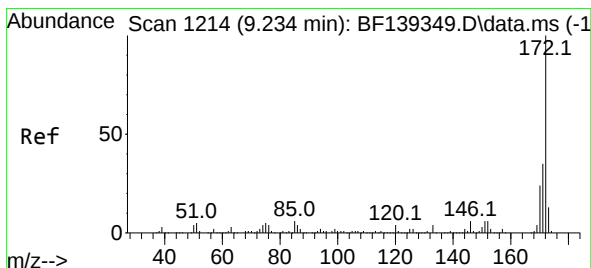
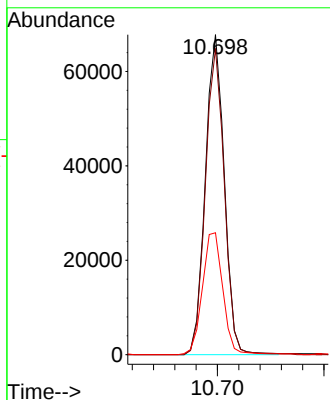
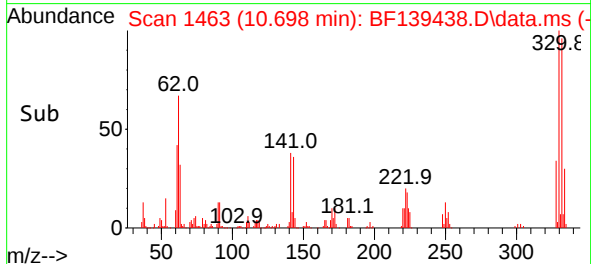
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion: 330 Resp: 8381
Ion Ratio Lower Upper
330 100
332 95.8 75.2 112.8
141 41.4 31.2 46.8

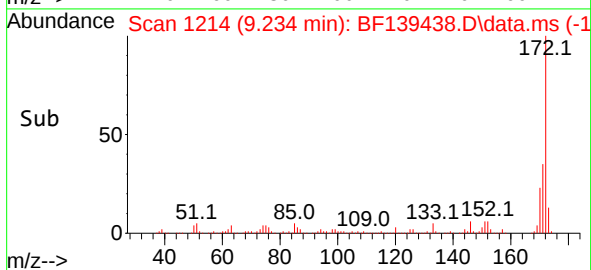
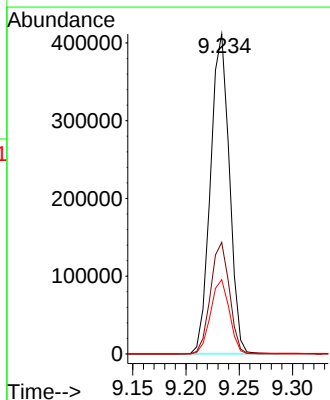
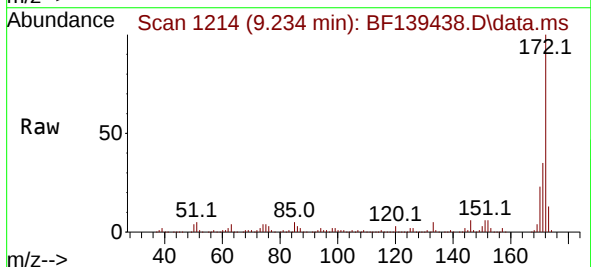
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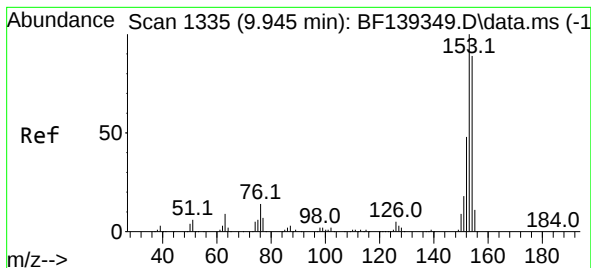
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#45
2-Fluorobiphenyl
Concen: 68.759 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

Tgt Ion: 172 Resp: 507265
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.2 19.0 28.6





#52

Acenaphthene

Concen: 2.702 ng

RT: 9.939 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

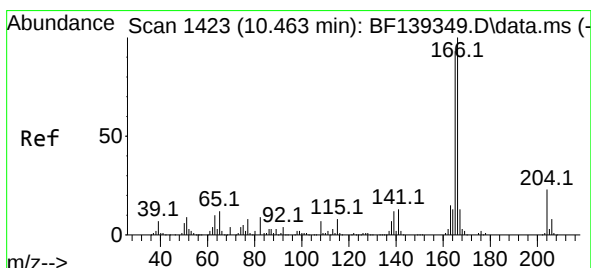
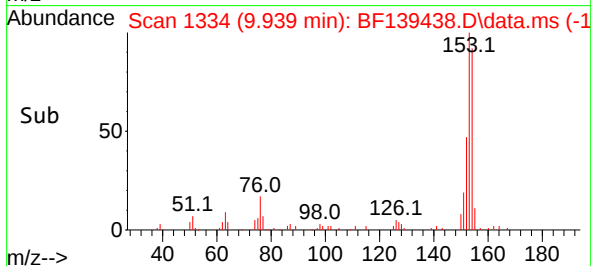
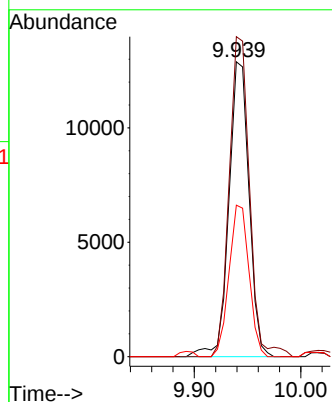
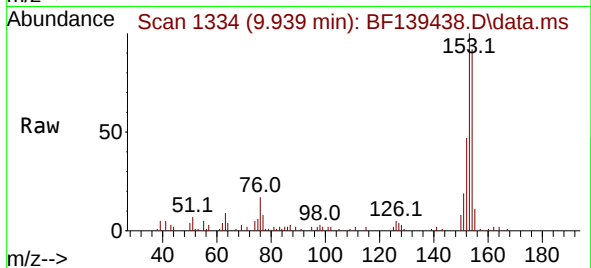
TP-5

Tgt Ion:	154	Resp:	1689
Ion Ratio	Lower	Upper	
154	100		
153	108.5	89.5	134.3
152	51.4	42.6	64.0

Manual Integrations

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#58

Fluorene

Concen: 2.003 ng

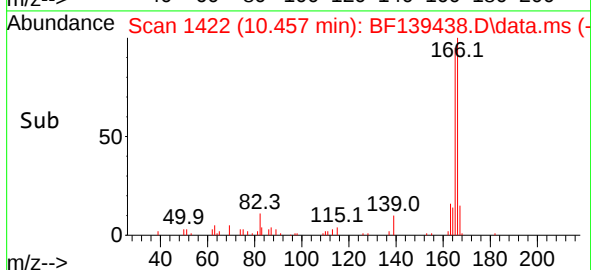
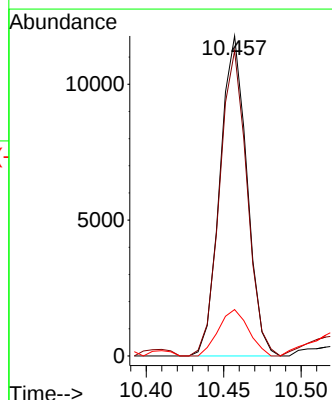
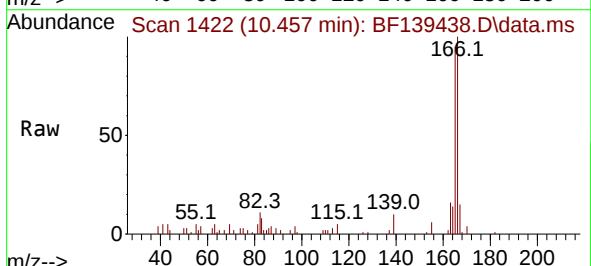
RT: 10.457 min Scan# 1422

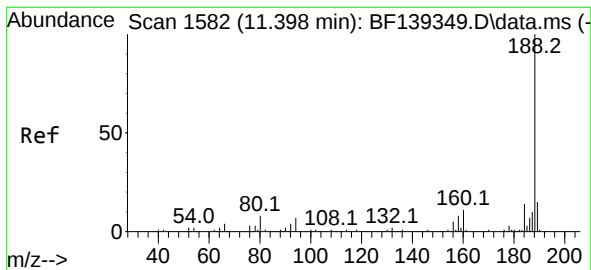
Delta R.T. -0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

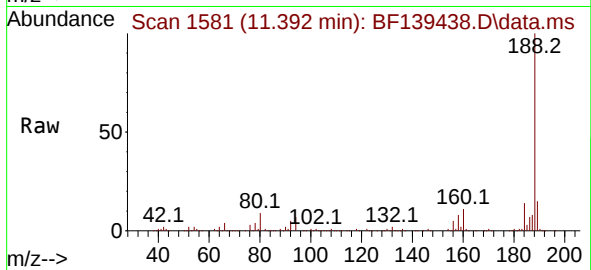
Tgt Ion:	166	Resp:	14243
Ion Ratio	Lower	Upper	
166	100		
165	95.4	74.5	111.7
167	14.5	10.6	16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11392
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

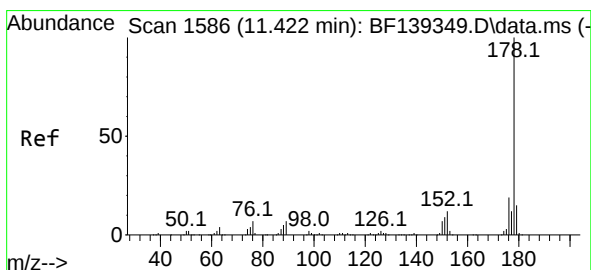
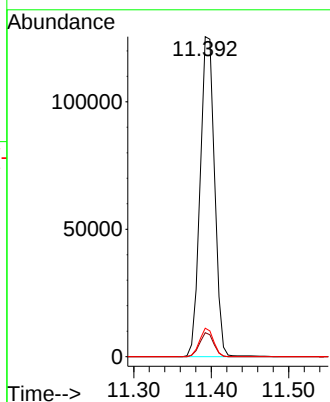
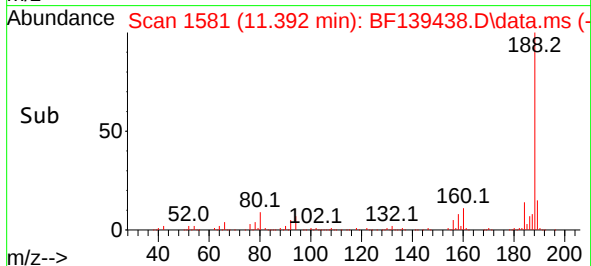
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:188 Resp: 162778
Ion Ratio Lower Upper
188 100
94 7.5 5.5 8.3
80 8.9 6.6 9.8

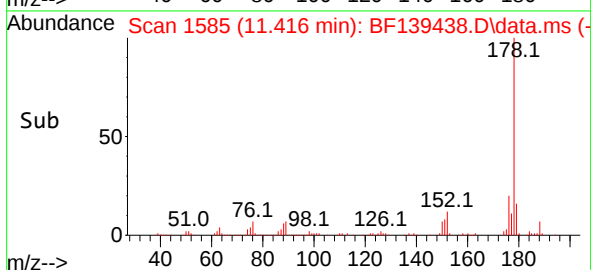
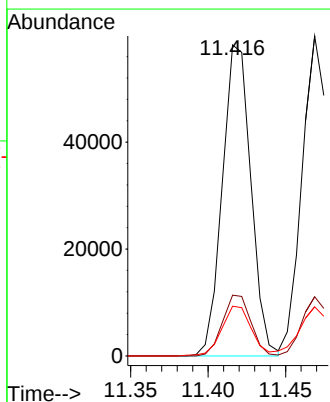
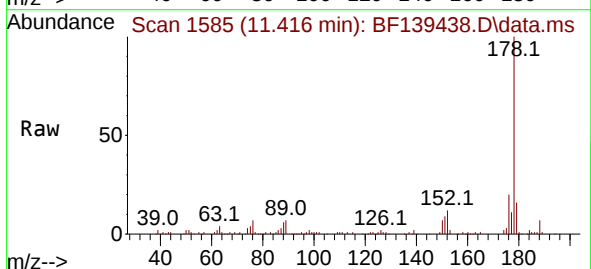
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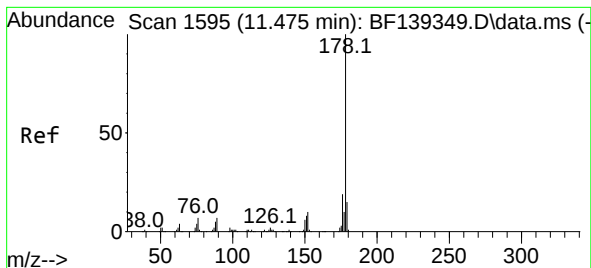
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#71
Phenanthrene
Concen: 9.514 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

Tgt Ion:178 Resp: 74719
Ion Ratio Lower Upper
178 100
176 19.6 15.2 22.8
179 16.0 12.2 18.4





#72

Anthracene

Concen: 9.775 ng

RT: 11.469 min Scan# 1594

Delta R.T. -0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

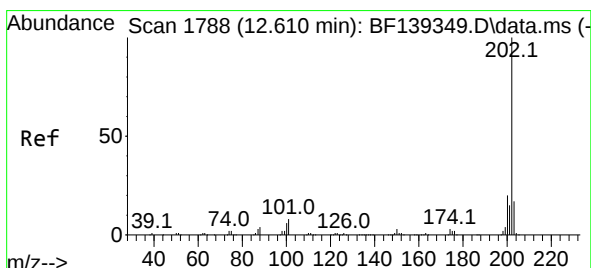
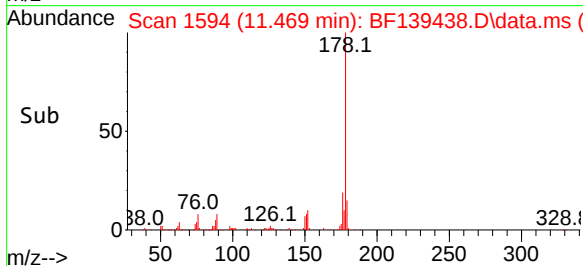
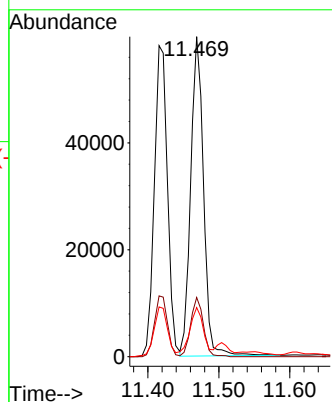
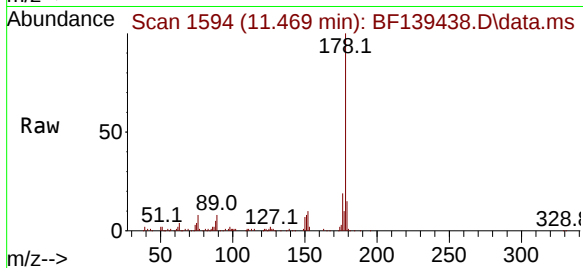
TP-5

Tgt Ion:178	Resp:	75050
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.0 22.6
179	15.3	12.0 18.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
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#75

Fluoranthene

Concen: 15.815 ng

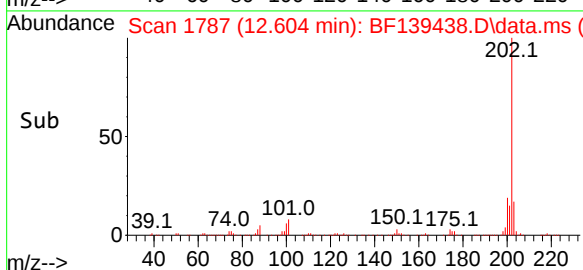
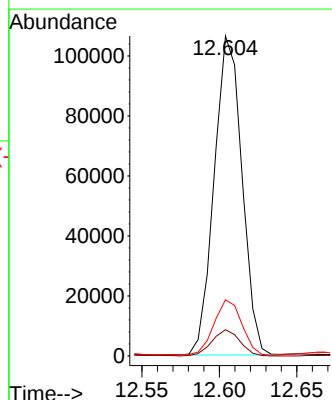
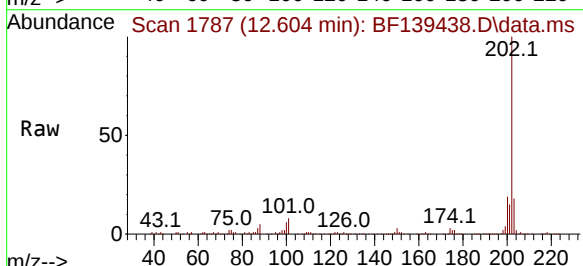
RT: 12.604 min Scan# 1787

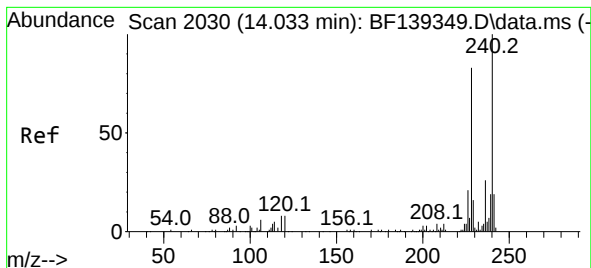
Delta R.T. -0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

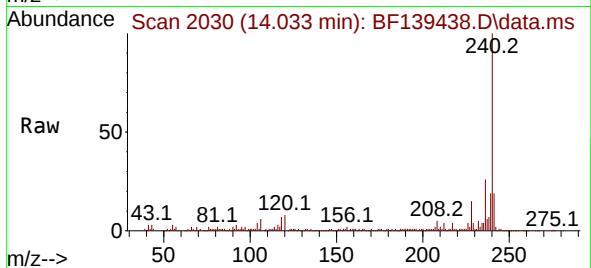
Tgt Ion:202	Resp:	132633
Ion Ratio	Lower	Upper
202	100	
101	8.2	0.0 27.7
203	17.5	0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

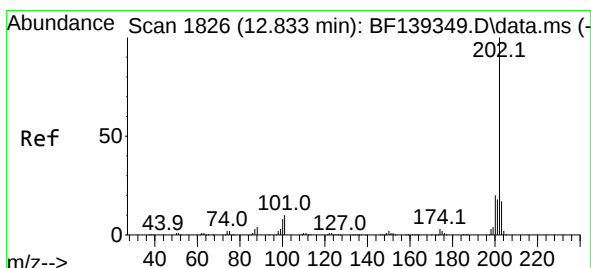
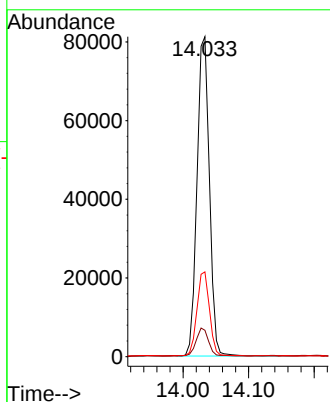
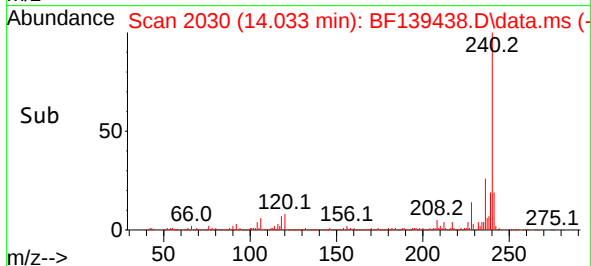
Instrument :
BNA_F
ClientSampleId :
TP-5



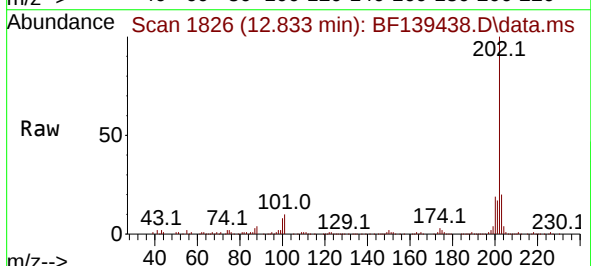
Tgt Ion:240 Resp: 10666
Ion Ratio Lower Upper
240 100
120 8.3 6.2 9.2
236 26.5 20.9 31.3

Manual Integrations
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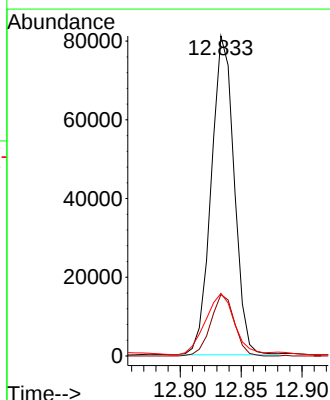
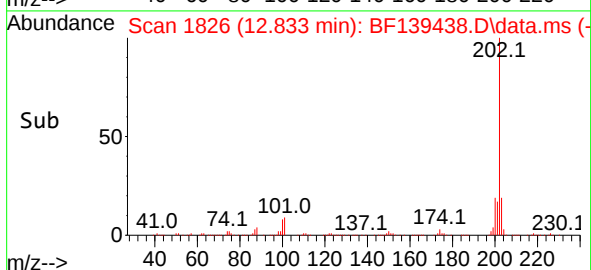
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

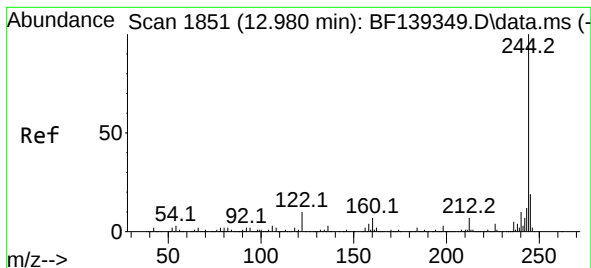


#78
Pyrene
Concen: 11.588 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12



Tgt Ion:202 Resp: 106130
Ion Ratio Lower Upper
202 100
200 19.2 16.2 24.2
203 19.5 13.9 20.9





#79

Terphenyl-d14

Concen: 61.533 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139438.D

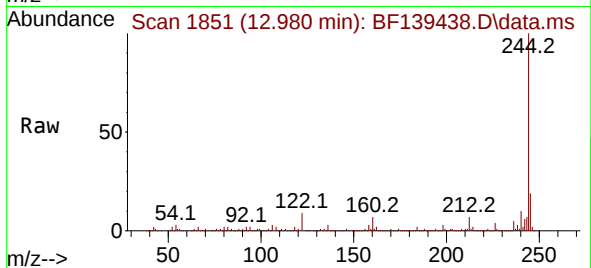
Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

TP-5

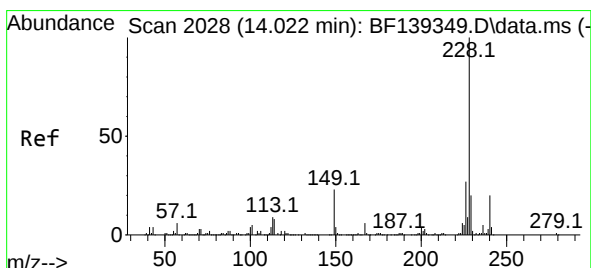
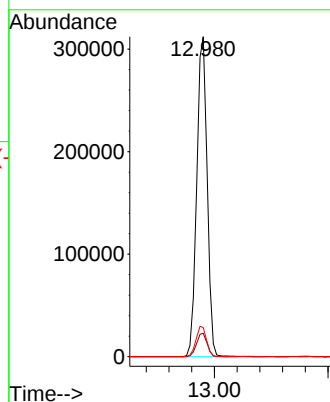
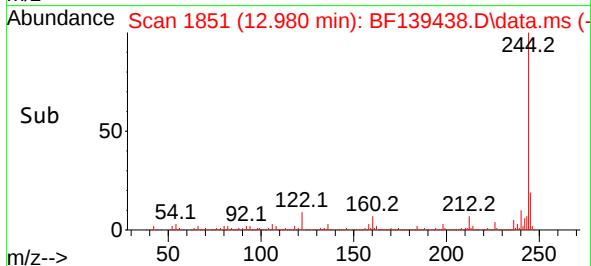


Tgt Ion:	244	Resp:	39986
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	9.1	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#81

Benzo(a)anthracene

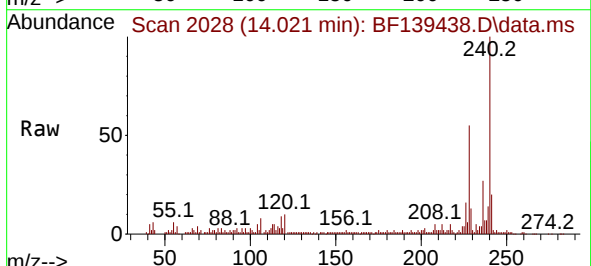
Concen: 5.324 ng m

RT: 14.021 min Scan# 2028

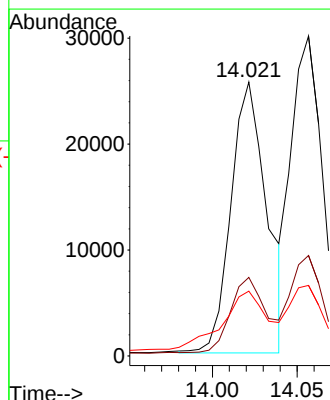
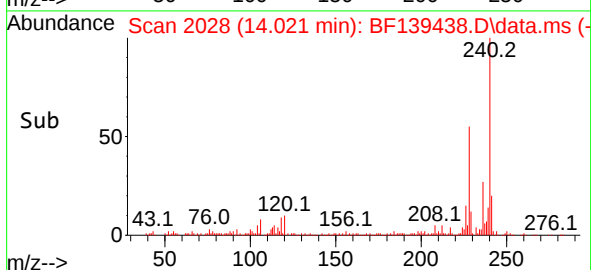
Delta R.T. -0.000 min

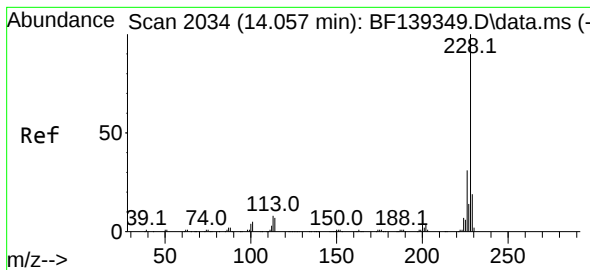
Lab File: BF139438.D

Acq: 18 Sep 2024 21:12



Tgt Ion:	228	Resp:	37613
Ion Ratio	Lower	Upper	
228	100		
226	28.7	21.6	32.4
229	23.7	15.7	23.5





#83

Chrysene

Concen: 5.922 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

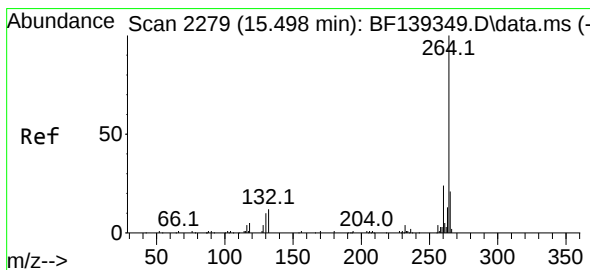
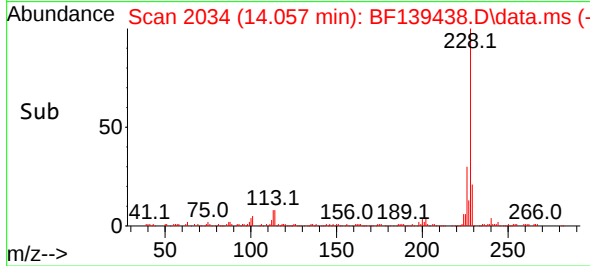
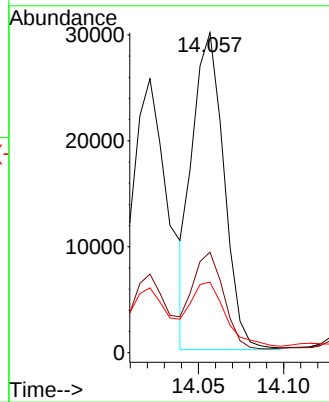
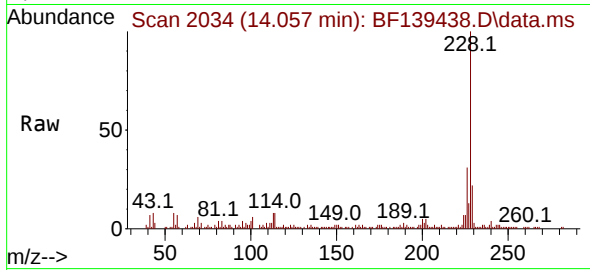
TP-5

Tgt Ion:	228	Resp:	3849
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.1	36.1
229	22.1	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#86

Perylene-d12

Concen: 20.000 ng

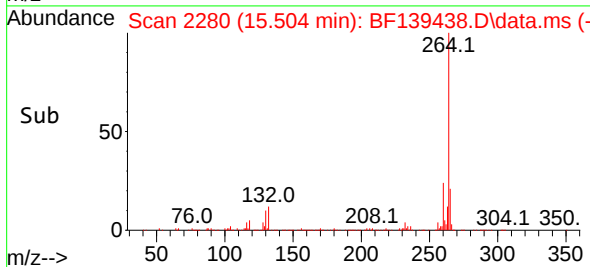
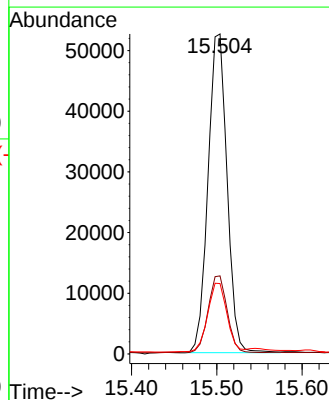
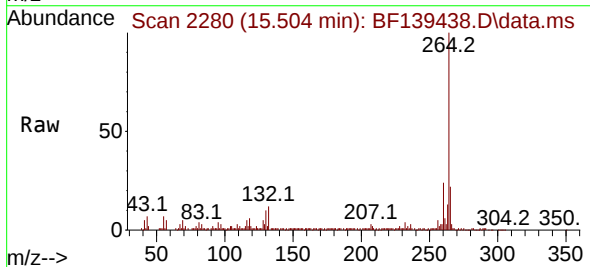
RT: 15.504 min Scan# 2280

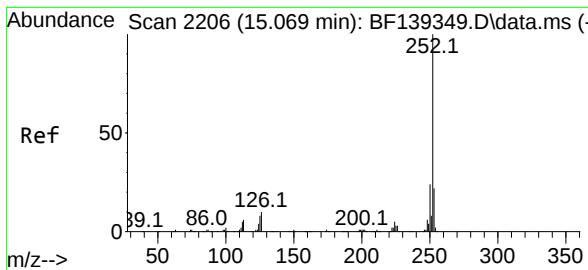
Delta R.T. 0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

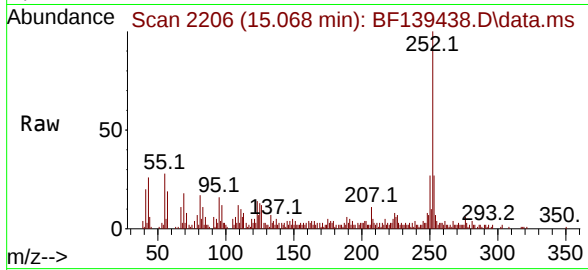
Tgt Ion:	264	Resp:	81450
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.5	29.3
265	22.0	16.6	25.0





#88
Benzo(b)fluoranthene
Concen: 4.708 ng m
RT: 15.068 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

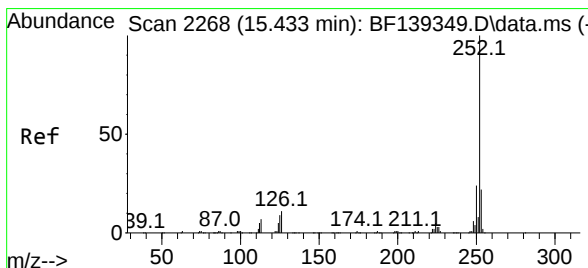
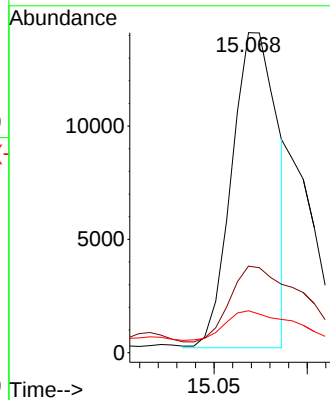
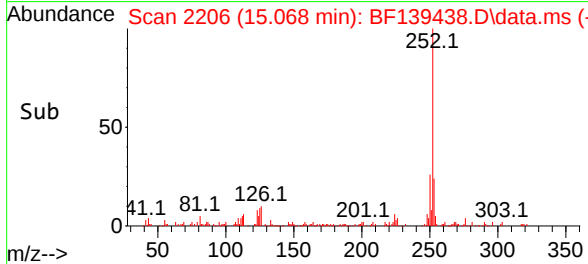
Instrument :
BNA_F
ClientSampleId :
TP-5



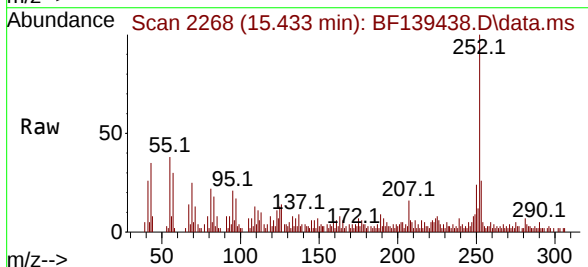
Tgt Ion:252 Resp: 2364
Ion Ratio Lower Upper
252 100
253 27.1 17.6 26.4
125 13.1 6.2 9.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#90
Benzo(a)pyrene
Concen: 3.543 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12



Tgt Ion:252 Resp: 14760
Ion Ratio Lower Upper
252 100
253 25.8 17.3 25.9
125 13.4 6.8 10.2

