

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139407.D
 Acq On : 17 Sep 2024 17:36
 Operator : RC/JU
 Sample : P4002-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Sep 17 18:11:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	57965	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	200120	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	90310	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	134117	20.000	ng	0.00
76) Chrysene-d12	14.033	240	95900	20.000	ng	0.00
86) Perylene-d12	15.498	264	65659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	421442	118.609	ng	0.00
7) Phenol-d6	6.504	99	544093	116.663	ng	0.00
23) Nitrobenzene-d5	7.439	82	372259	87.450	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	96033	99.883	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	590937	91.773	ng	0.00
79) Terphenyl-d14	12.980	244	442884	75.802	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	43210	6.678	ng	98
75) Fluoranthene	12.604	202	87450	12.655	ng	100
78) Pyrene	12.833	202	84891	10.309	ng	98
81) Benzo(a)anthracene	14.021	228	49404	7.777	ng	95
83) Chrysene	14.057	228	43135	7.381	ng	96
87) Indeno(1,2,3-cd)pyrene	16.962	276	17913	4.588	ng	96
88) Benzo(b)fluoranthene	15.068	252	44574m	11.007	ng	
89) Benzo(k)fluoranthene	15.086	252	13636m	3.652	ng	
90) Benzo(a)pyrene	15.433	252	26302	7.832	ng	98
92) Benzo(g,h,i)perylene	17.404	276	18665	5.843	ng	# 96

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

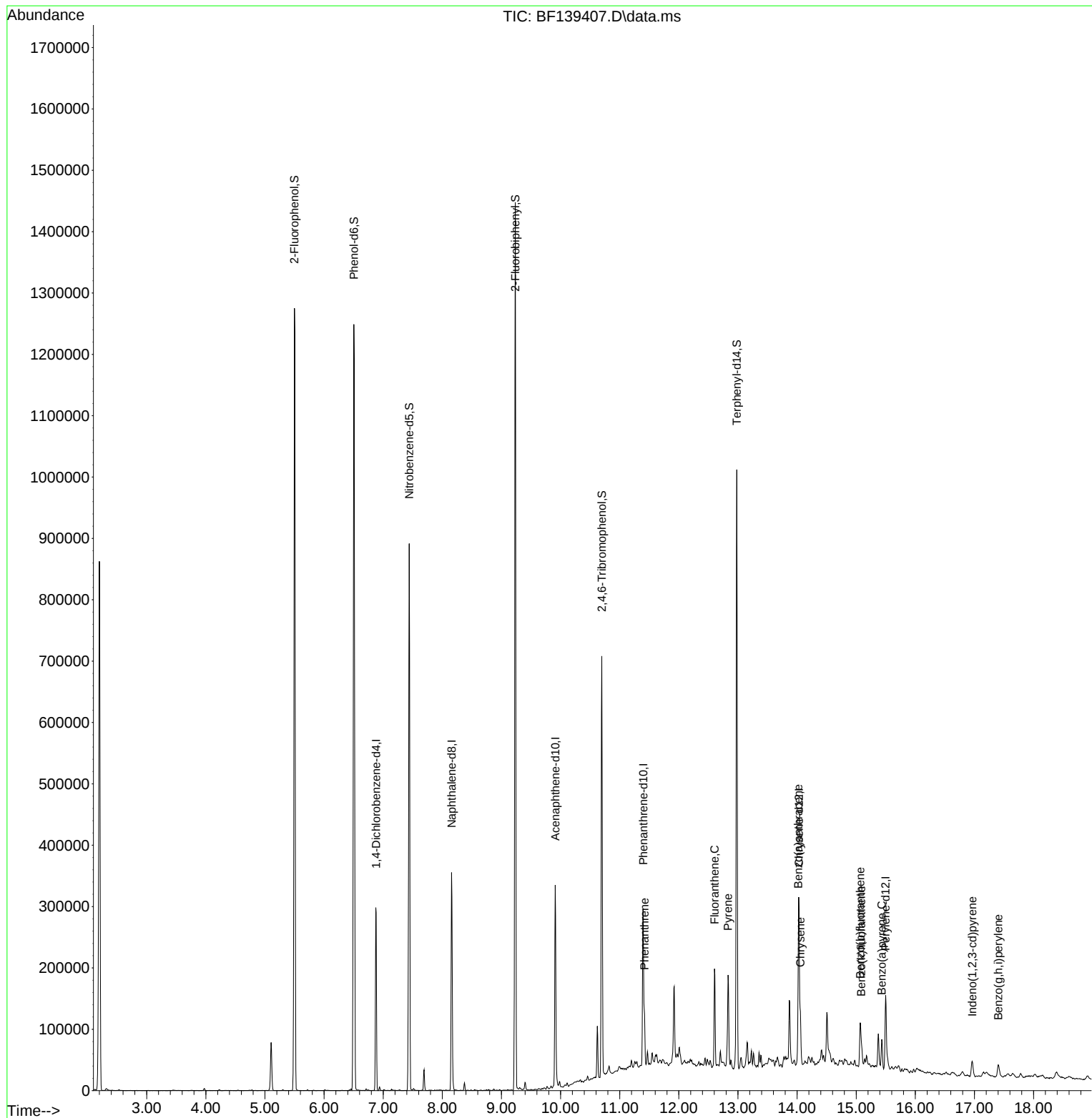
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
Data File : BF139407.D
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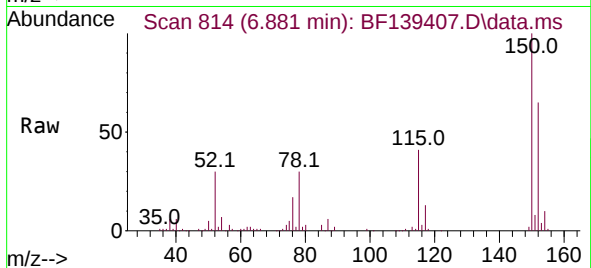
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

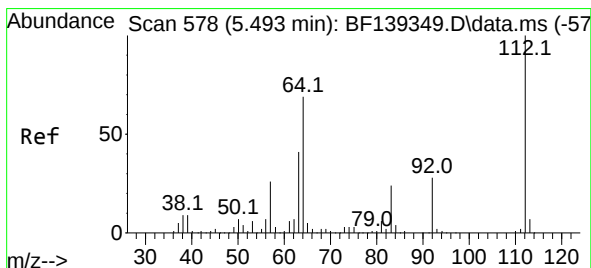
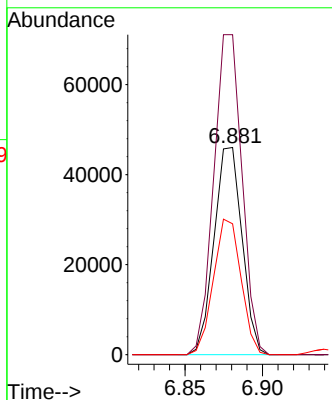
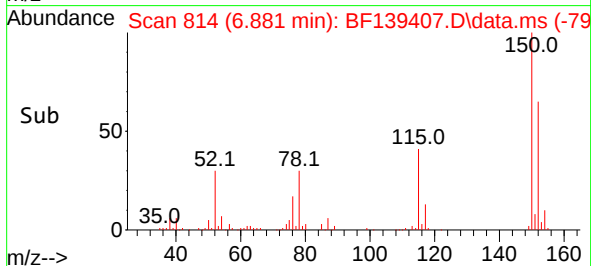
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:152 Resp: 5796
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 63.1 48.1 72.1

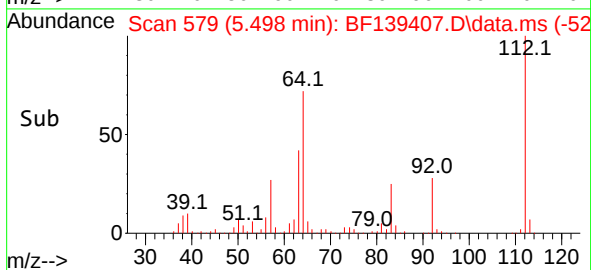
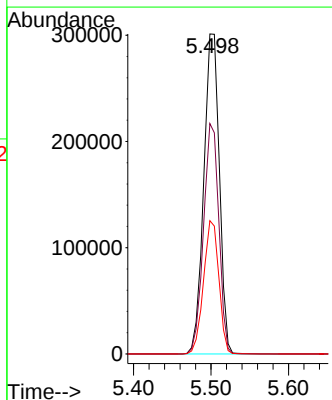
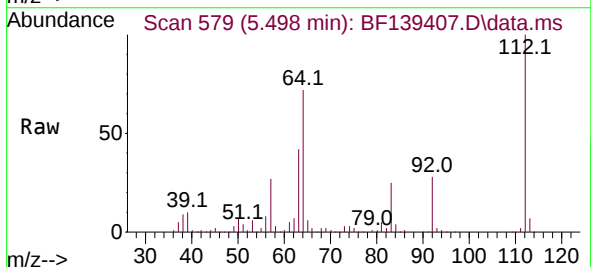
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#5
2-Fluorophenol
Concen: 118.609 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

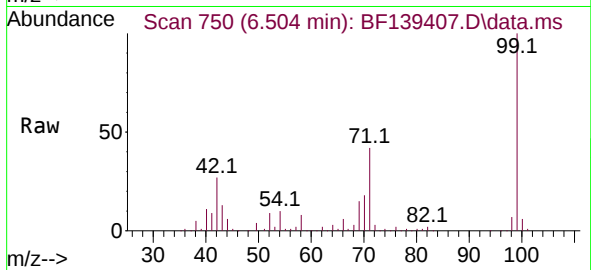
Tgt Ion:112 Resp: 421442
Ion Ratio Lower Upper
112 100
64 72.0 54.8 82.2
63 41.6 33.0 49.4





#7
Phenol-d6
Concen: 116.663 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

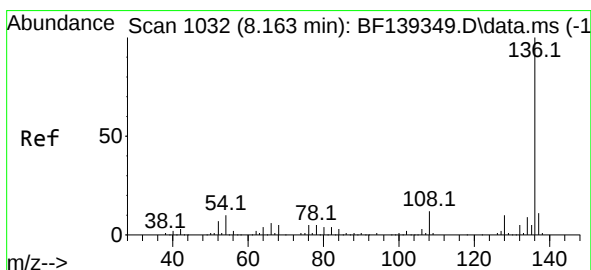
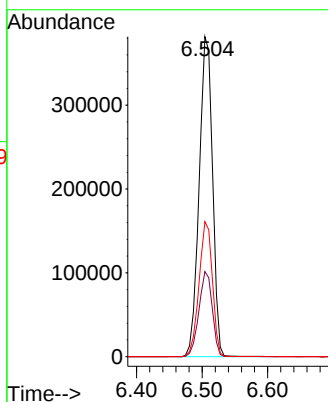
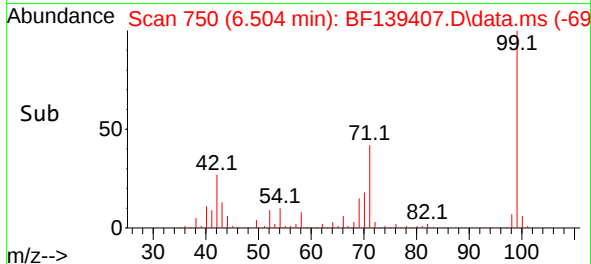
Instrument :
BNA_F
ClientSampleId :
TP-2



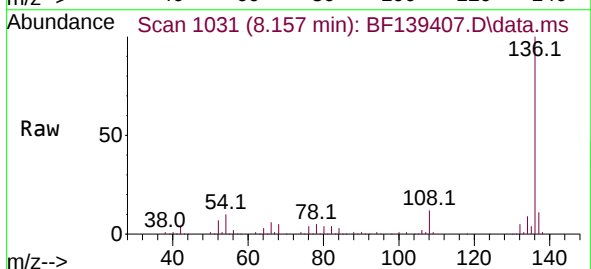
Tgt Ion: 99 Resp: 54409
Ion Ratio Lower Upper
99 100
42 26.6 21.9 32.9
71 42.2 34.6 52.0

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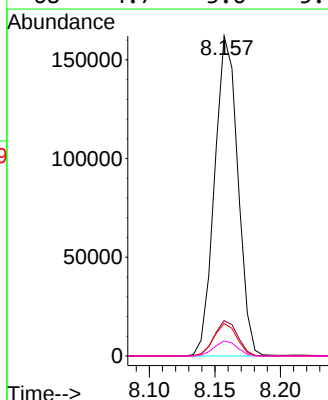
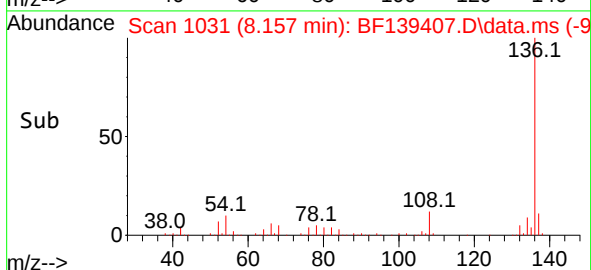
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36



Tgt Ion:136 Resp: 200120
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.2 7.8 11.8
68 4.7 3.6 5.4





#23

Nitrobenzene-d5

Concen: 87.450 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion: 82 Resp: 37225

Ion Ratio Lower Upper

82 100

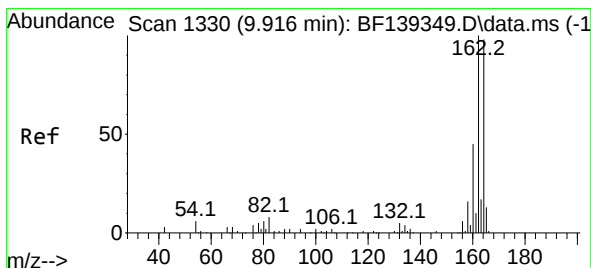
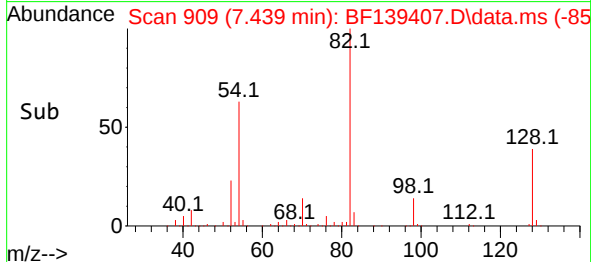
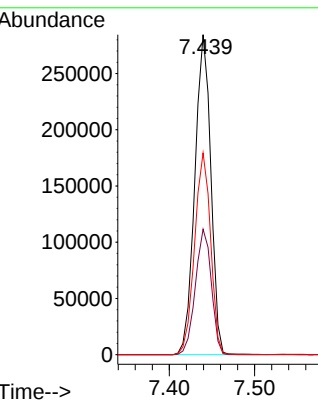
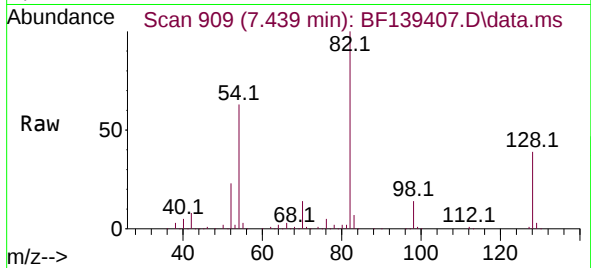
128 39.2 31.8 47.6

54 63.1 50.6 75.8

Manual Integrations

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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: BF139407.D

Acq: 17 Sep 2024 17:36

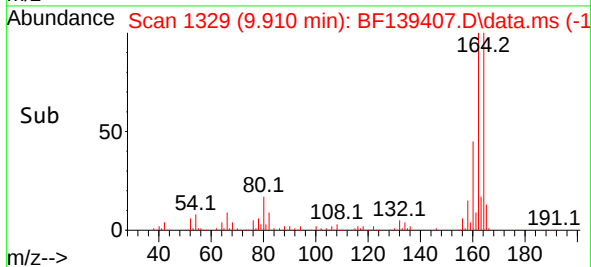
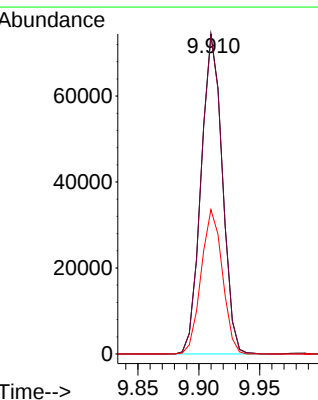
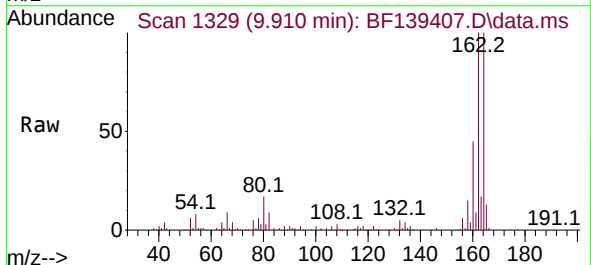
Tgt Ion:164 Resp: 90310

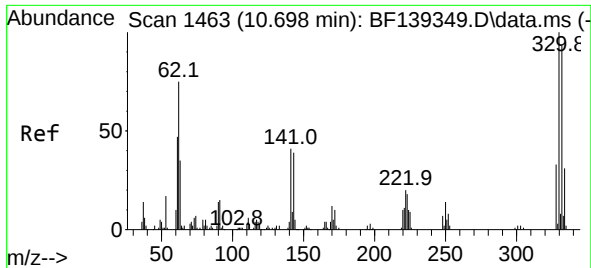
Ion Ratio Lower Upper

164 100

162 99.6 81.3 121.9

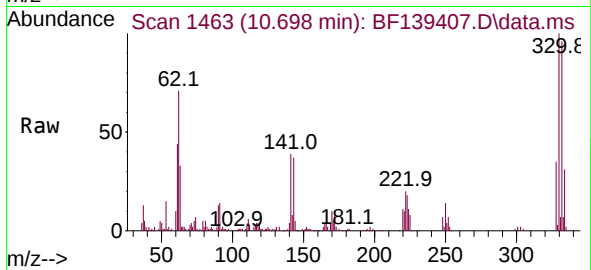
160 45.1 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 99.883 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

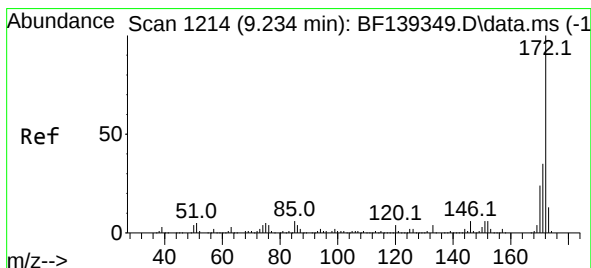
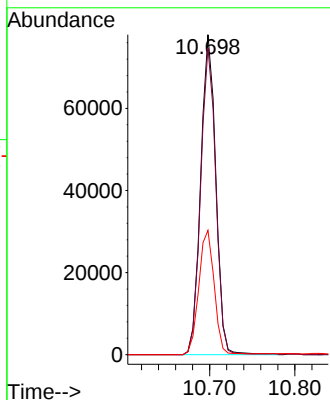
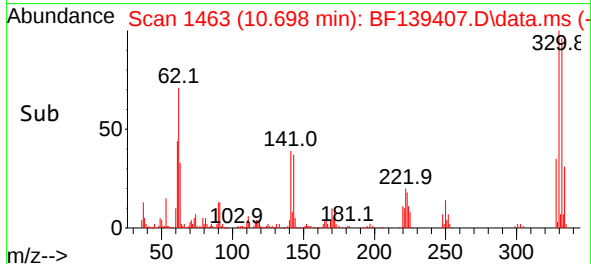
Instrument :
BNA_F
ClientSampleId :
TP-2



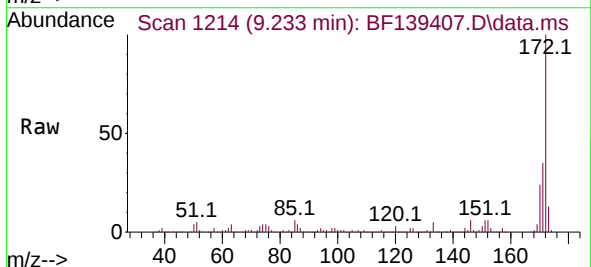
Tgt Ion: 330 Resp: 9603
Ion Ratio Lower Upper
330 100
332 95.6 75.2 112.8
141 39.8 31.2 46.8

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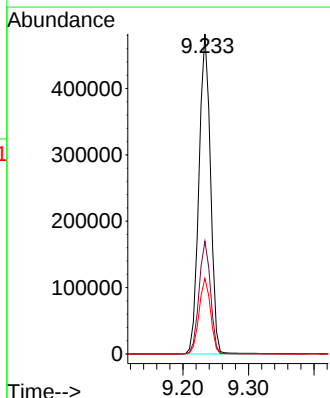
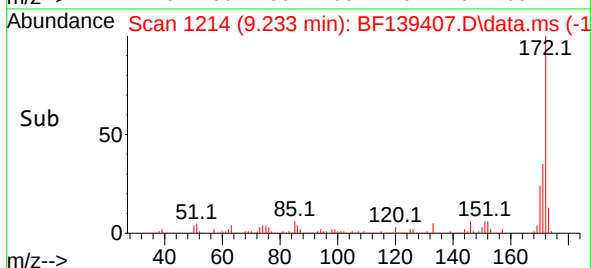
Reviewed By : Jagrut Upadhyay 09/18/2024
Supervised By : mohammad ahmed 09/19/2024

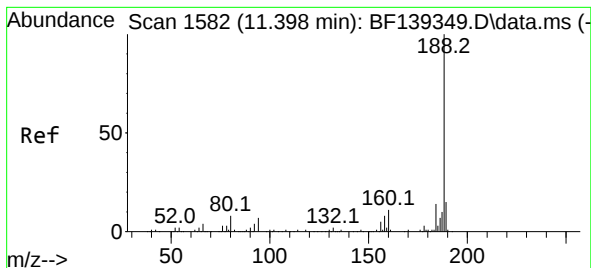


#45
2-Fluorobiphenyl
Concen: 91.773 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36



Tgt Ion: 172 Resp: 590937
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.6 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

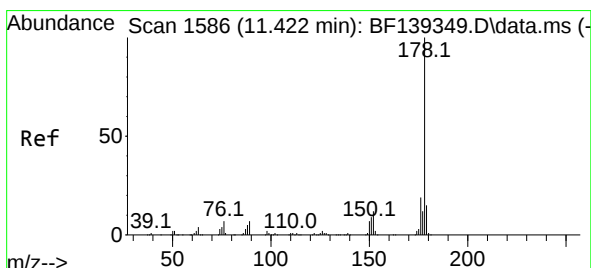
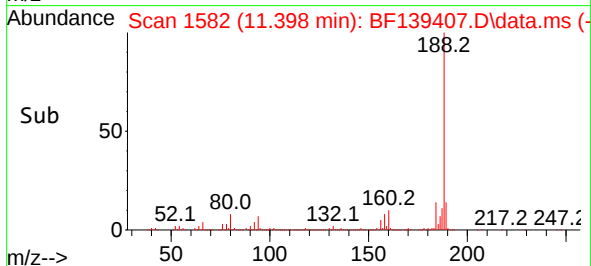
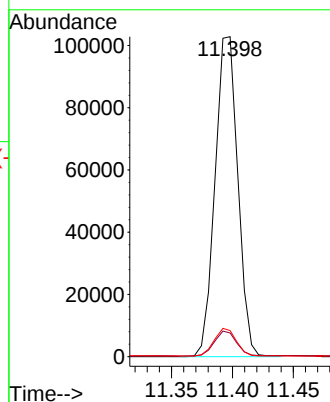
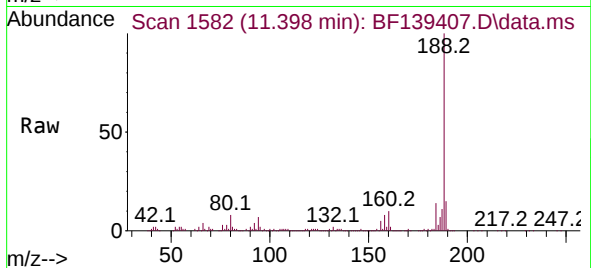
TP-2

Tgt Ion:188	Resp:	13411
Ion Ratio	Lower	Upper
188	100	
94	7.4	5.5 8.3
80	8.1	6.6 9.8

Manual Integrations

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Supervised By :mohammad ahmed 09/19/2024



#71

Phenanthrene

Concen: 6.678 ng

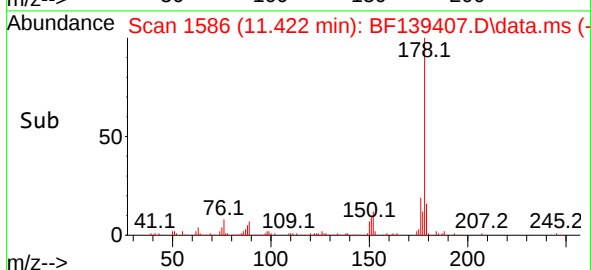
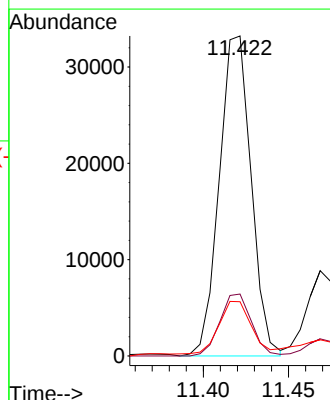
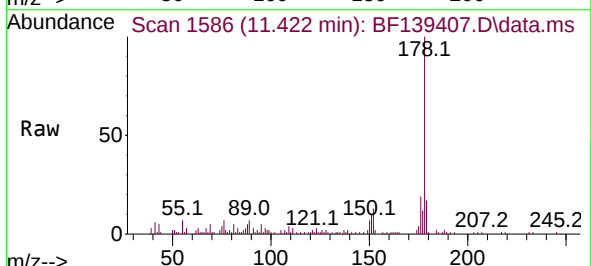
RT: 11.422 min Scan# 1586

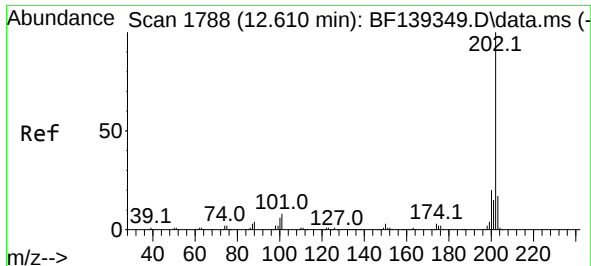
Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

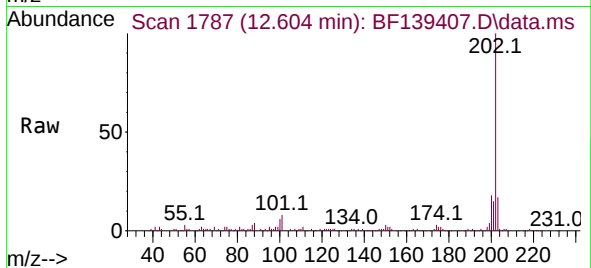
Tgt Ion:178	Resp:	43210
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.2 22.8
179	16.9	12.2 18.4





#75
Fluoranthene
Concen: 12.655 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

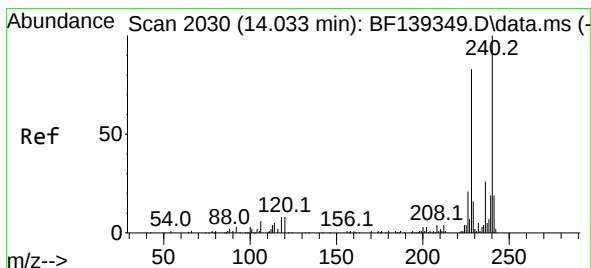
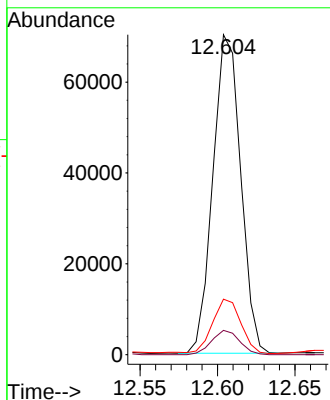
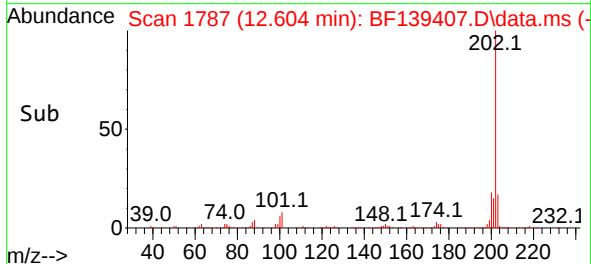
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:202 Resp: 87450
Ion Ratio Lower Upper
202 100
101 7.6 0.0 27.7
203 17.3 0.0 37.4

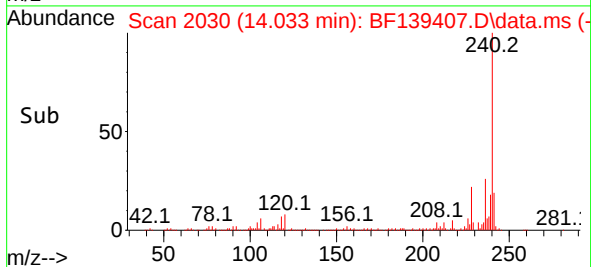
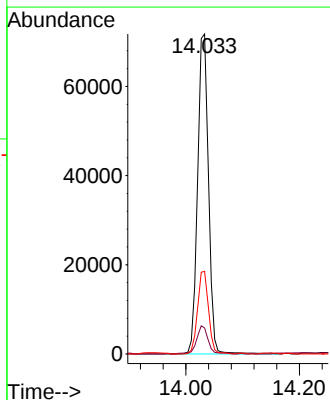
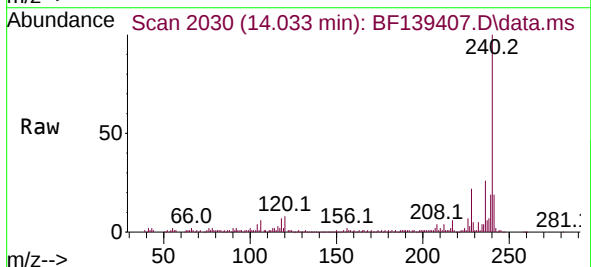
Manual Integrations
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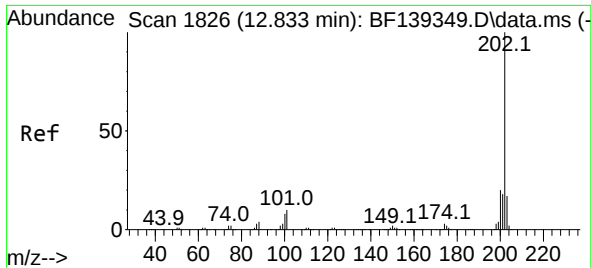
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

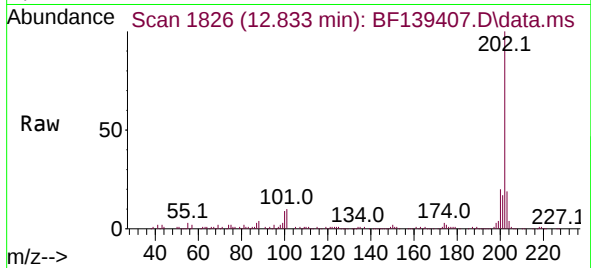
Tgt Ion:240 Resp: 95900
Ion Ratio Lower Upper
240 100
120 8.1 6.2 9.2
236 25.8 20.9 31.3





#78
Pyrene
Concen: 10.309 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

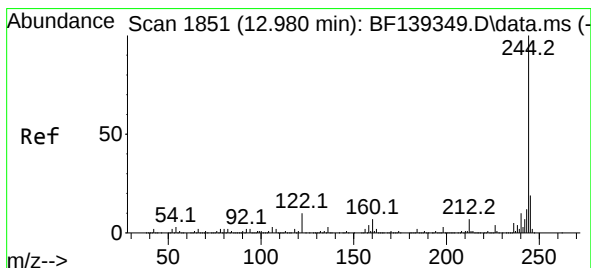
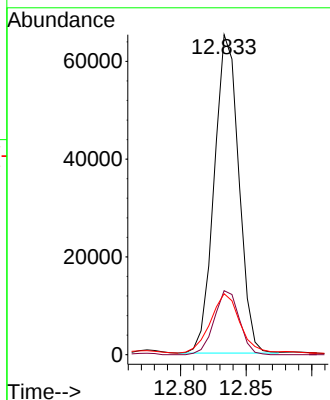
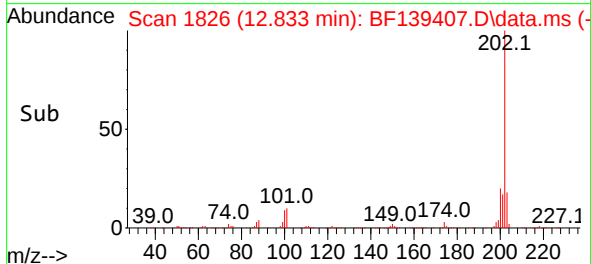
Instrument :
BNA_F
ClientSampleId :
TP-2



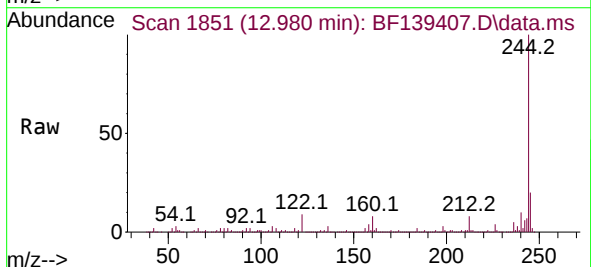
Tgt Ion:202 Resp: 8489
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 19.0 13.9 20.9

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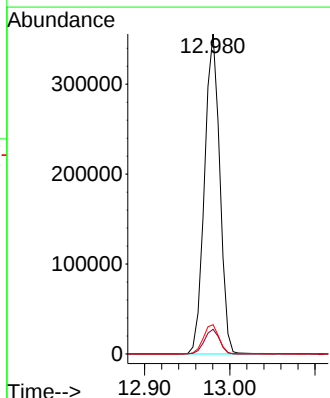
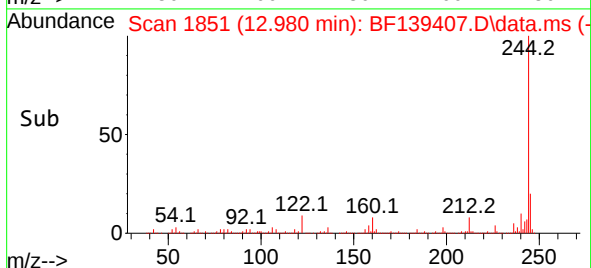
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

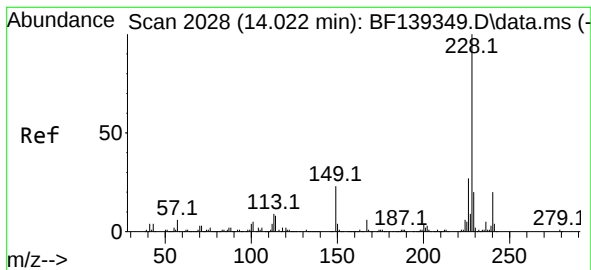


#79
Terphenyl-d14
Concen: 75.802 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36



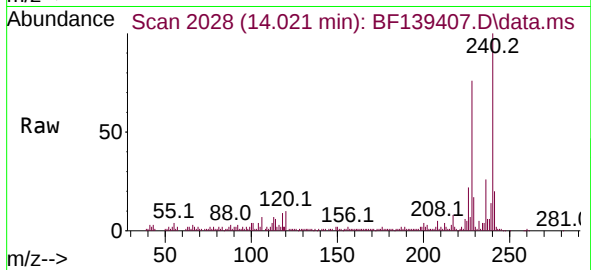
Tgt Ion:244 Resp: 442884
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 9.2 7.6 11.4





#81
Benzo(a)anthracene
Concen: 7.777 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

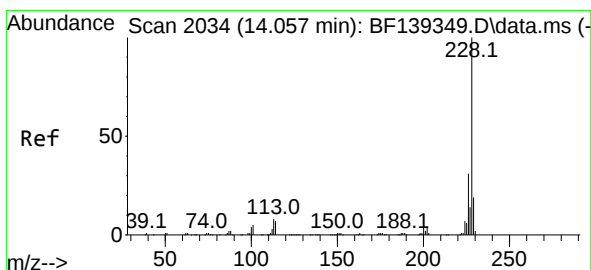
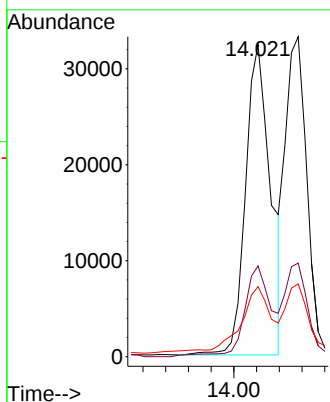
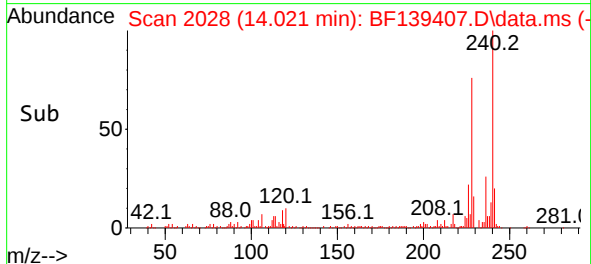
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:228 Resp: 49404
Ion Ratio Lower Upper
228 100
226 29.1 21.6 32.4
229 22.5 15.7 23.5

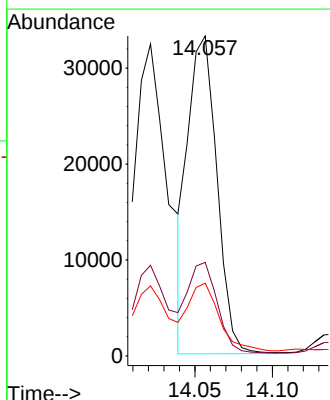
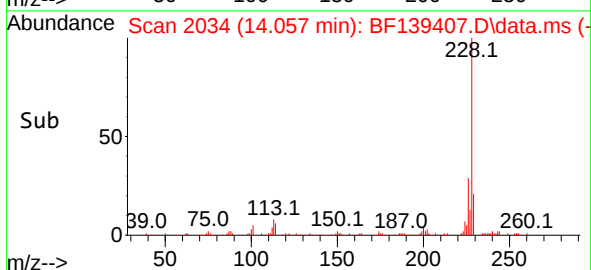
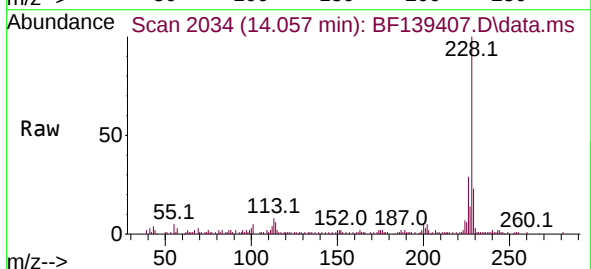
Manual Integrations
APPROVED

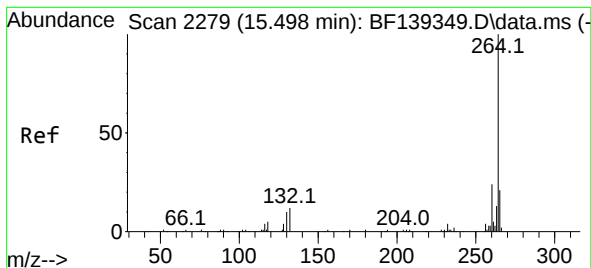
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#83
Chrysene
Concen: 7.381 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139407.D
Acq: 17 Sep 2024 17:36

Tgt Ion:228 Resp: 43135
Ion Ratio Lower Upper
228 100
226 29.3 24.1 36.1
229 22.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

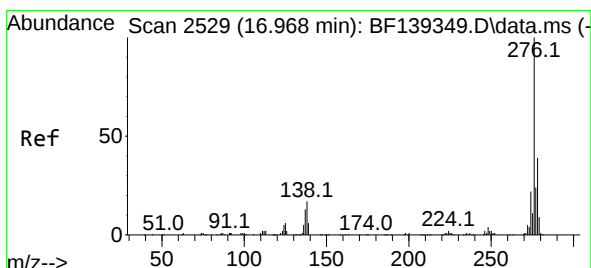
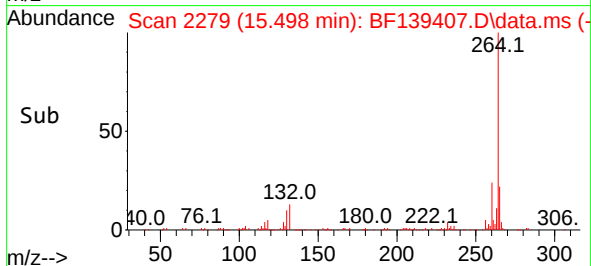
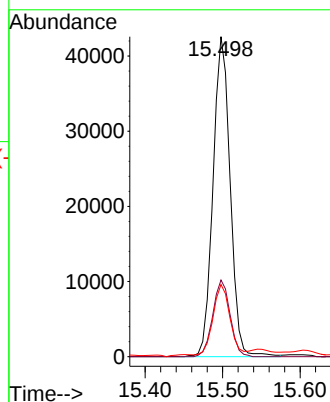
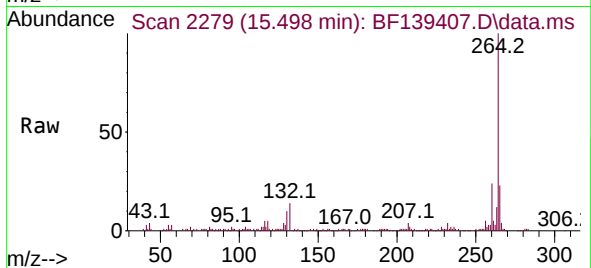
TP-2

Tgt Ion:	264	Resp:	6565
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.5	29.3
265	22.6	16.6	25.0

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.588 ng

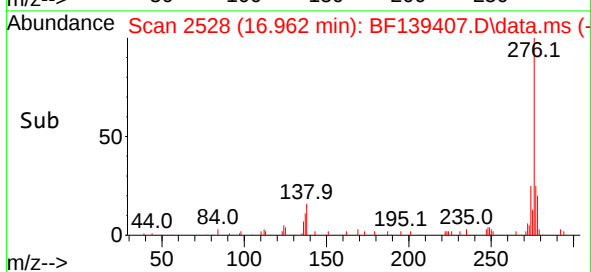
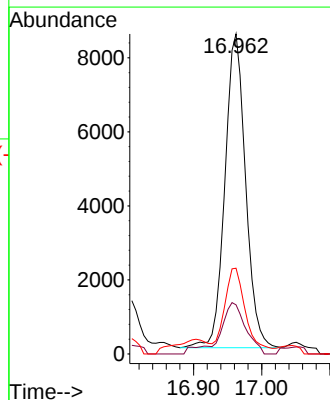
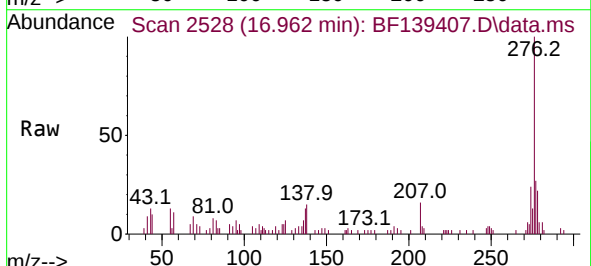
RT: 16.962 min Scan# 2528

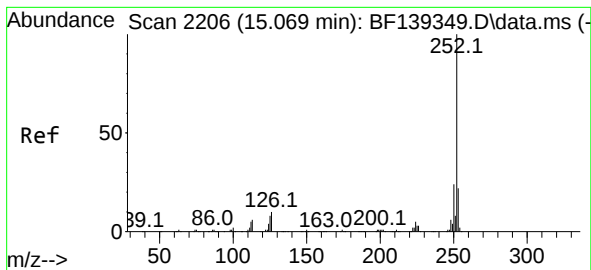
Delta R.T. -0.006 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Tgt Ion:	276	Resp:	17913
Ion Ratio	Lower	Upper	
276	100		
138	20.4	15.4	23.2
277	28.3	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 11.007 ng m

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

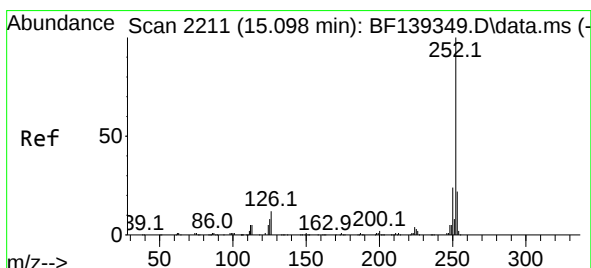
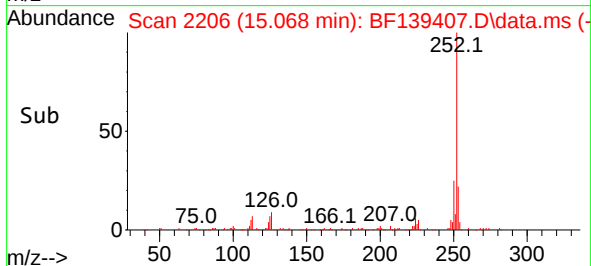
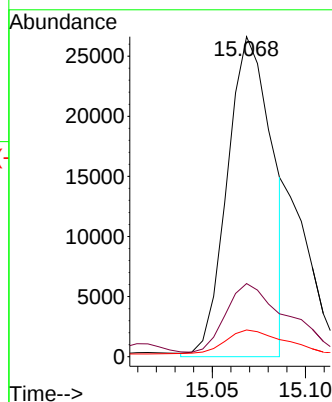
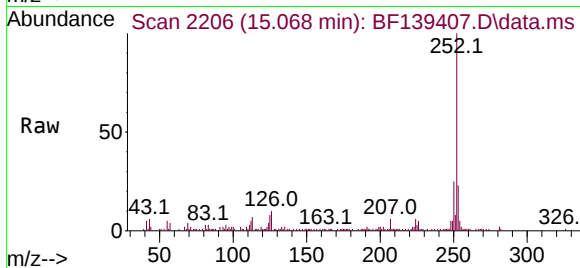
TP-2

Tgt Ion:	252	Resp:	44574
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	8.3	6.2	9.2

Manual Integrations

APPROVED

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



#89

Benzo(k)fluoranthene

Concen: 3.652 ng m

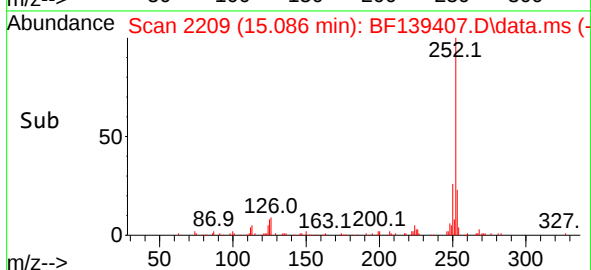
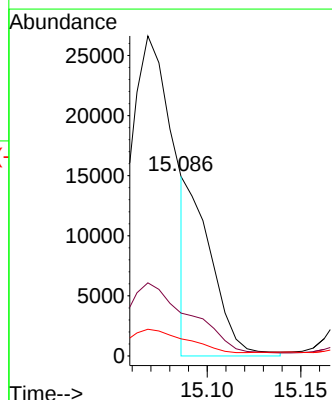
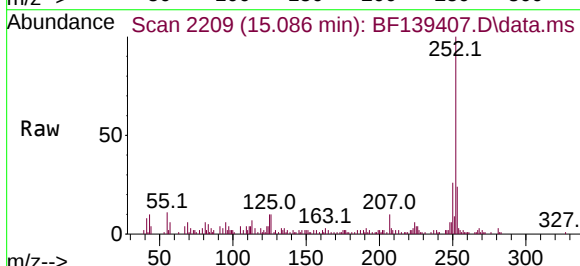
RT: 15.086 min Scan# 2209

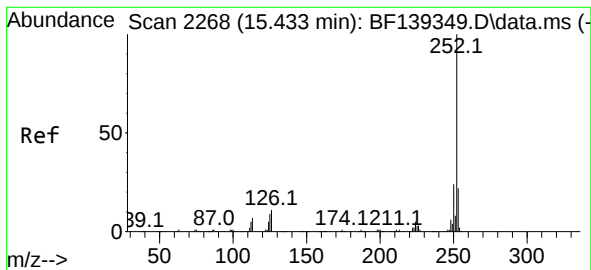
Delta R.T. -0.012 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Tgt Ion:	252	Resp:	13636
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.3	25.9
125	9.6	5.9	8.9#





#90

Benzo(a)pyrene

Concen: 7.832 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Instrument :

BNA_F

ClientSampleId :

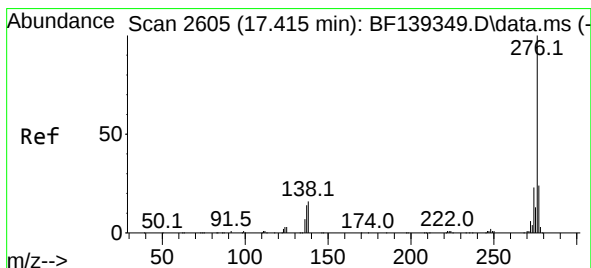
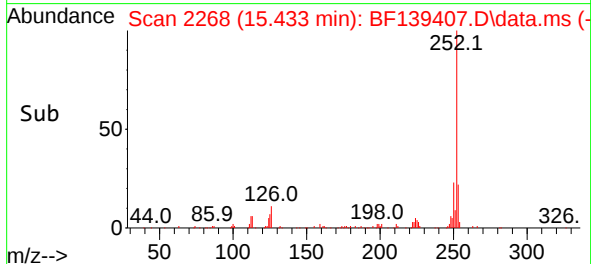
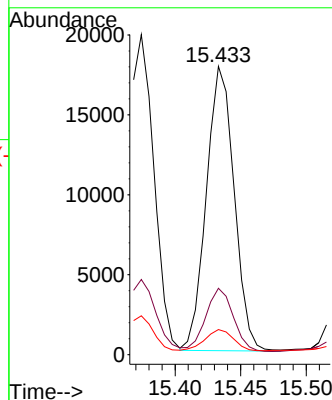
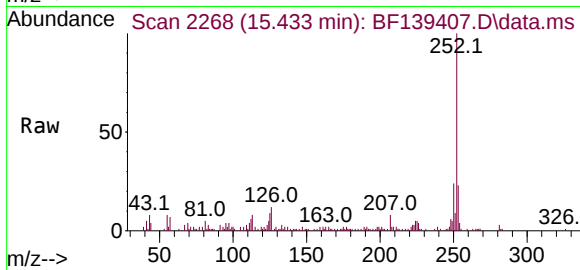
TP-2

Tgt Ion:	252	Resp:	2630
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.3	25.9
125	8.7	6.8	10.2

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 5.843 ng

RT: 17.404 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF139407.D

Acq: 17 Sep 2024 17:36

Tgt Ion:	276	Resp:	18665
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.9	28.3
138	19.6	13.0	19.6

