

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139450.D
 Acq On : 19 Sep 2024 02:54
 Operator : RC/JU
 Sample : P4098-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-091724

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 03:33:18 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	6.881	152	53983	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	170204	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	78764	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	146970	20.000	ng	0.00
76) Chrysene-d12	14.033	240	84994	20.000	ng	0.00
86) Perylene-d12	15.504	264	68040	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	58063	17.546	ng	0.00
7) Phenol-d6	6.498	99	71568	16.477	ng	0.00
23) Nitrobenzene-d5	7.434	82	43635	12.052	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	12839	15.311	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	76309	13.588	ng	0.00
79) Terphenyl-d14	12.980	244	77434	14.954	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	61799	8.716	ng	99
72) Anthracene	11.469	178	18673m	2.693	ng	
75) Fluoranthene	12.610	202	87924	11.611	ng	99
78) Pyrene	12.839	202	70977	9.726	ng	98
81) Benzo(a)anthracene	14.021	228	26664	4.736	ng	# 91
83) Chrysene	14.057	228	22318	4.309	ng	# 92
88) Benzo(b)fluoranthene	15.074	252	21279m	5.071	ng	
90) Benzo(a)pyrene	15.439	252	13392	3.848	ng	# 87

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

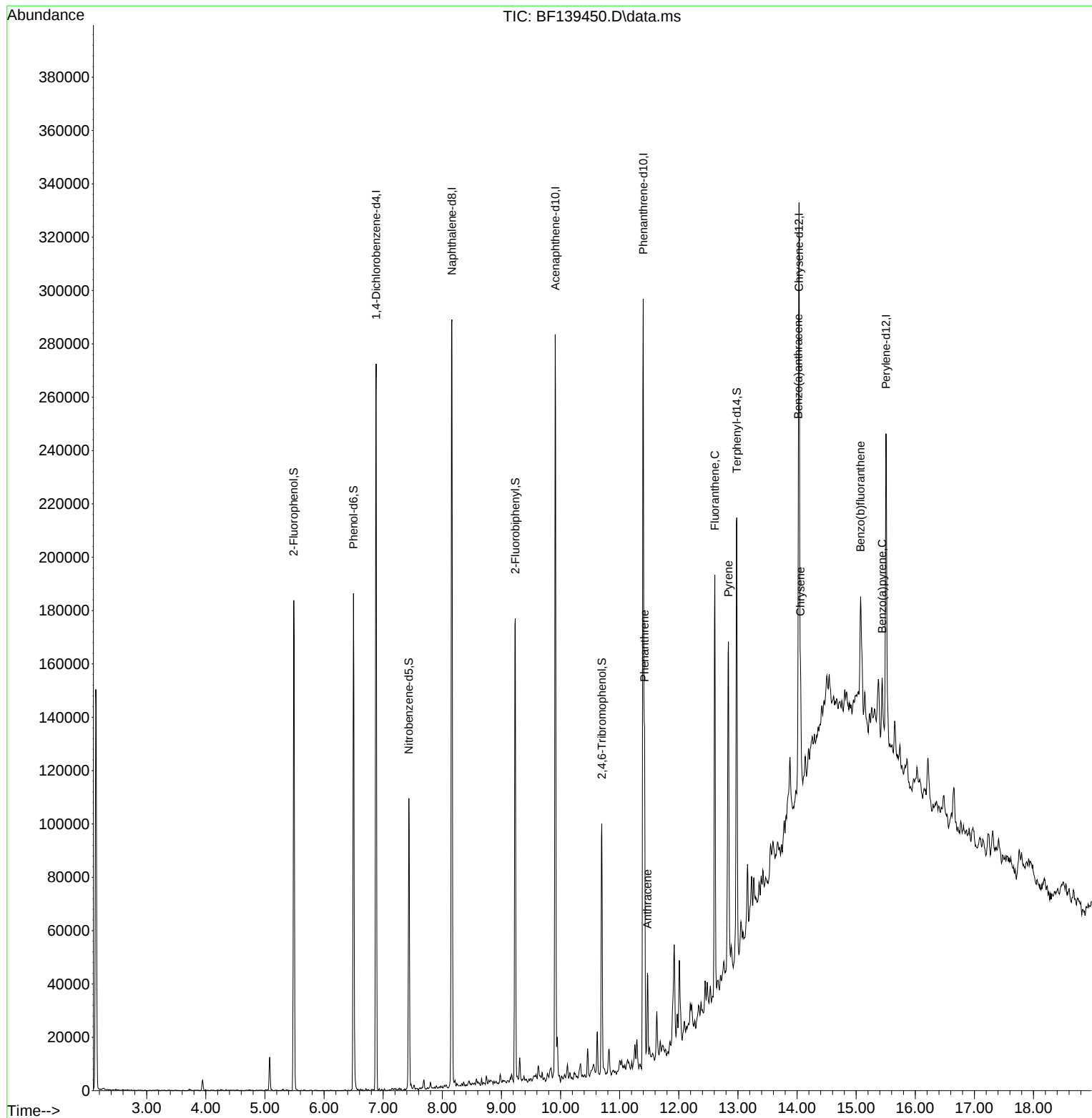
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
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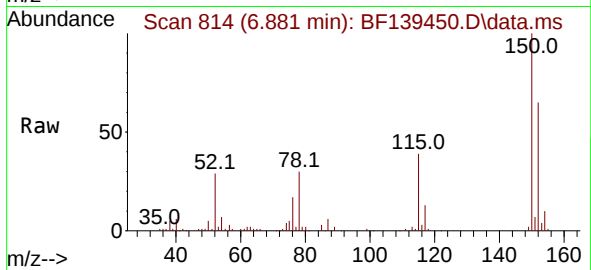
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139450.D
Acq: 19 Sep 2024 02:54

Instrument :

BNA_F

ClientSampleId :

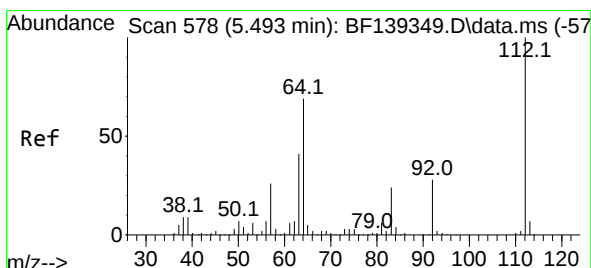
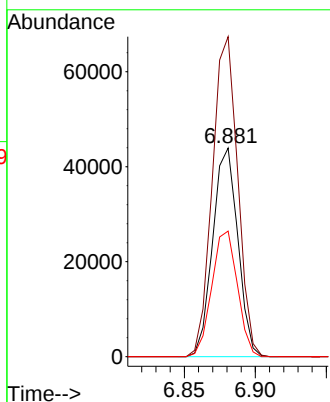
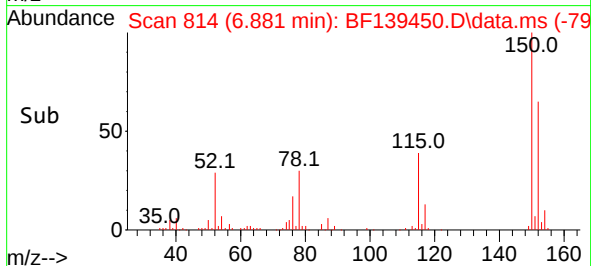
HR-01-091724



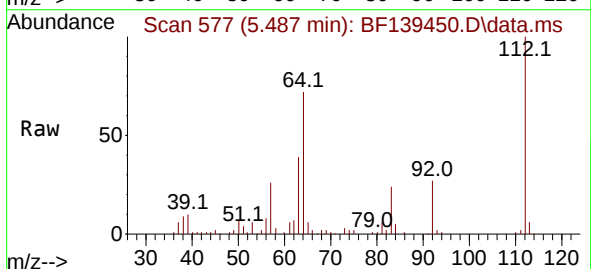
Tgt Ion:152 Resp: 5398
Ion Ratio Lower Upper
152 100
150 153.4 124.1 186.1
115 60.2 48.1 72.1

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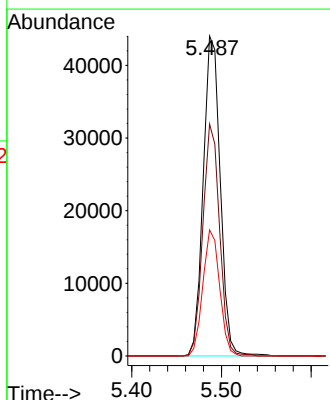
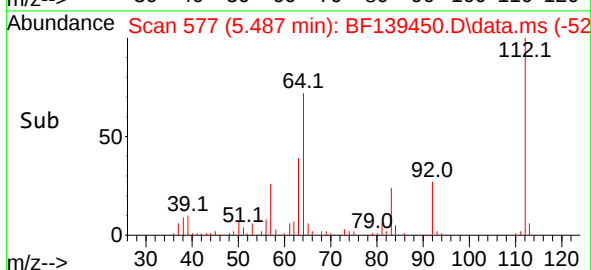
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#5
2-Fluorophenol
Concen: 17.546 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139450.D
Acq: 19 Sep 2024 02:54



Tgt Ion:112 Resp: 58063
Ion Ratio Lower Upper
112 100
64 72.5 54.8 82.2
63 39.4 33.0 49.4





#7

Phenol-d6

Concen: 16.477 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

Instrument :

BNA_F

ClientSampleId :

HR-01-091724

Tgt Ion: 99 Resp: 7156

Ion Ratio Lower Upper

99 100

42 25.8 21.9 32.9

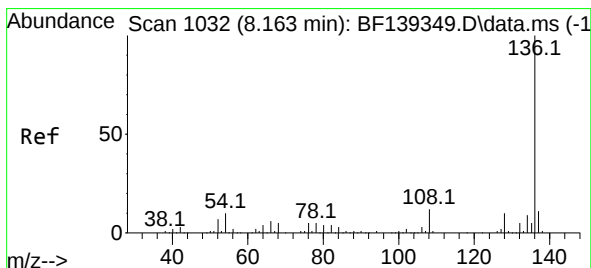
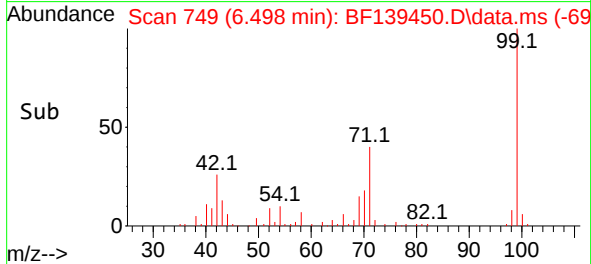
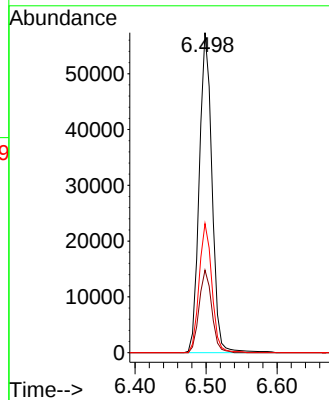
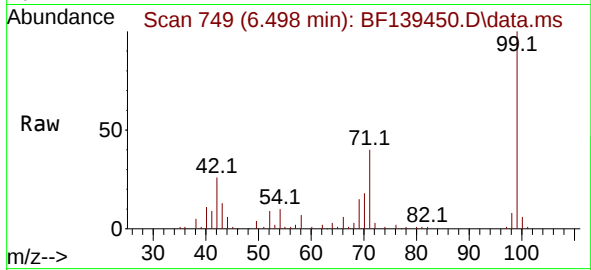
71 40.4 34.6 52.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1032

Delta R.T. -0.000 min

Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

Tgt Ion:136 Resp: 170204

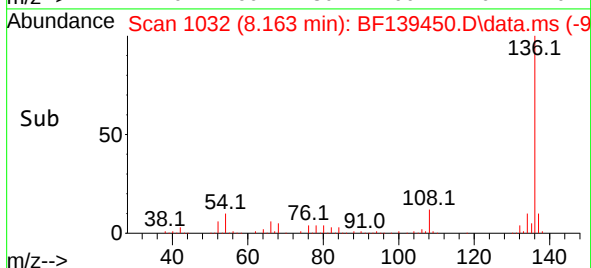
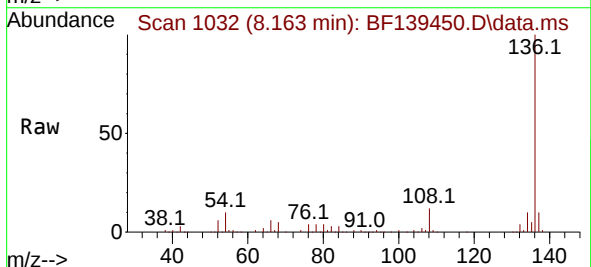
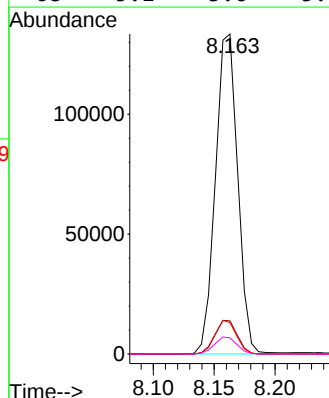
Ion Ratio Lower Upper

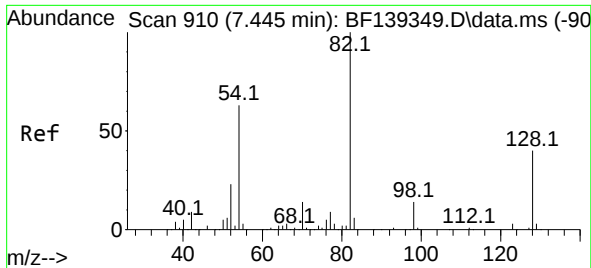
136 100

137 10.4 8.6 12.8

54 9.8 7.8 11.8

68 5.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 12.052 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

Instrument :

BNA_F

ClientSampleId :

HR-01-091724

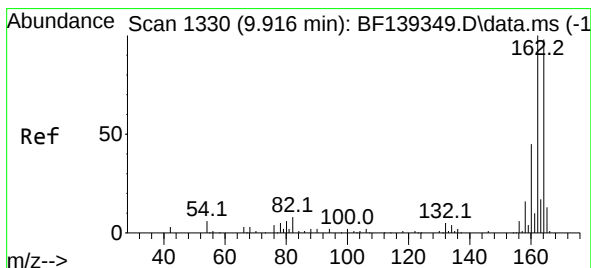
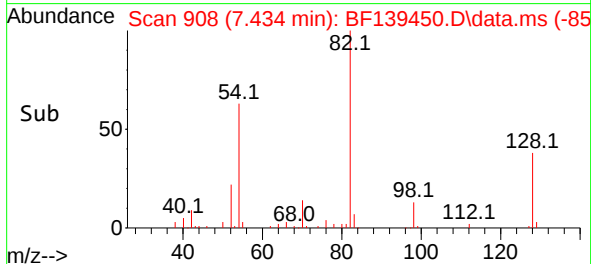
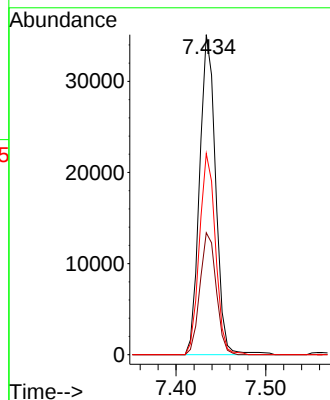
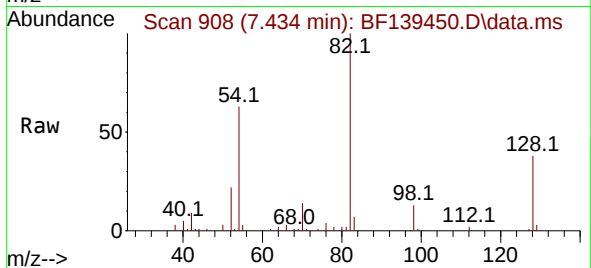
Tgt Ion: 82 Resp: 4363

Ion	Ratio	Lower	Upper
82	100		
128	38.1	31.8	47.6
54	62.9	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

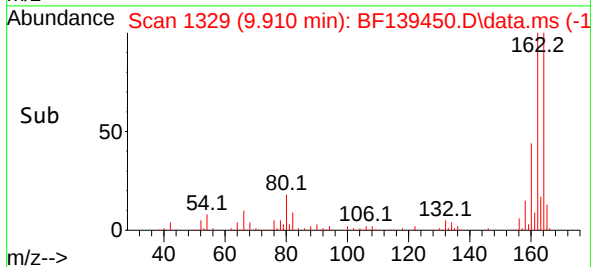
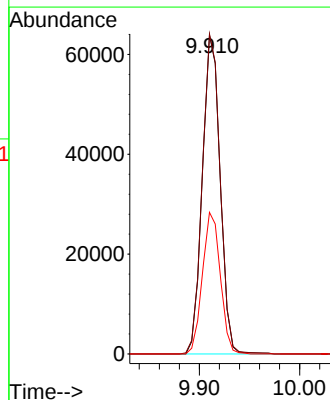
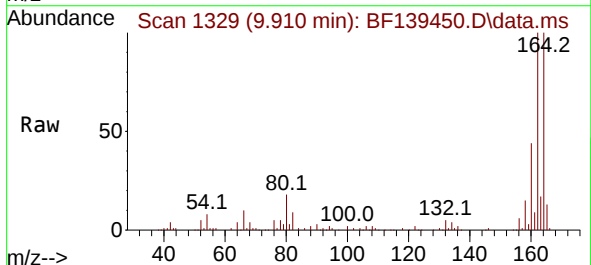
Delta R.T. -0.006 min

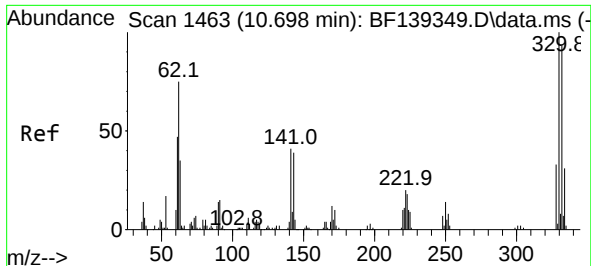
Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

Tgt Ion:164 Resp: 78764

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.3	121.9
160	44.4	36.4	54.6





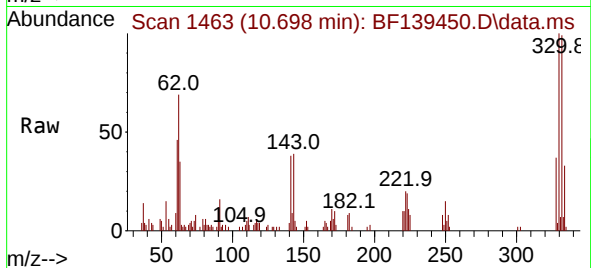
#42
2,4,6-Tribromophenol
Concen: 15.311 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139450.D
Acq: 19 Sep 2024 02:54

Instrument :

BNA_F

ClientSampleId :

HR-01-091724

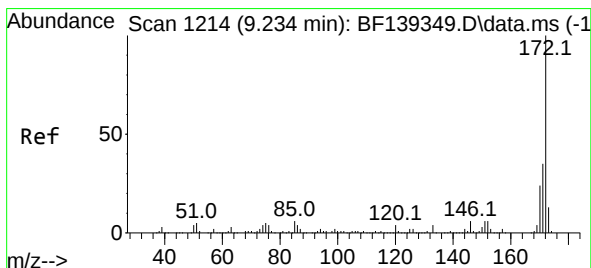
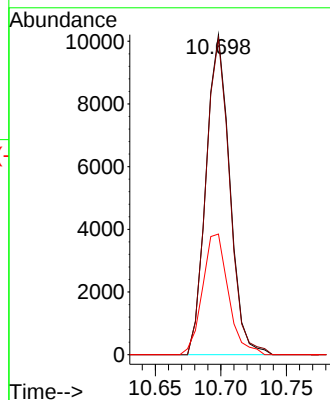
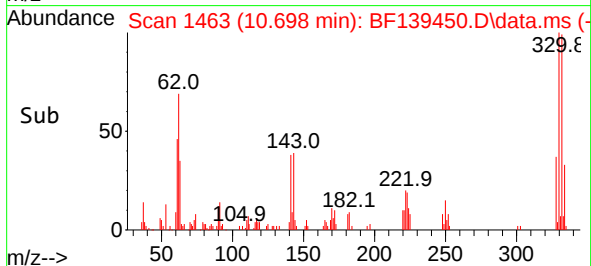


Tgt Ion: 330 Resp: 12839
Ion Ratio Lower Upper
330 100
332 98.9 75.2 112.8
141 41.2 31.2 46.8

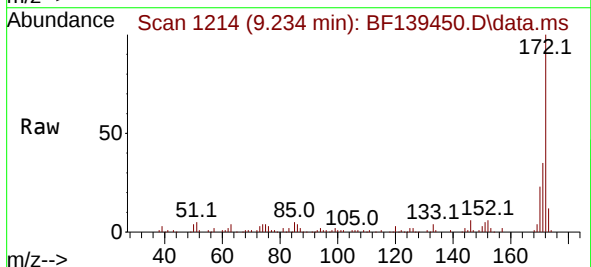
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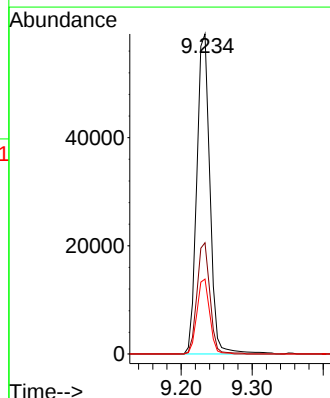
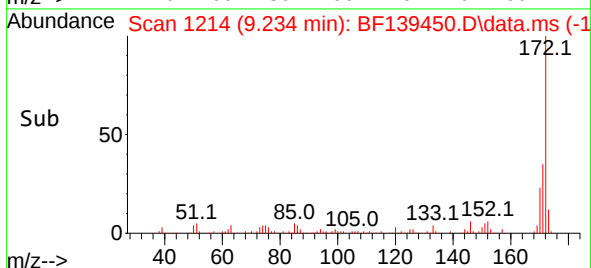
Reviewed By : Jagrut Upadhyay 09/19/2024
Supervised By : mohammad ahmed 09/20/2024



#45
2-Fluorobiphenyl
Concen: 13.588 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139450.D
Acq: 19 Sep 2024 02:54



Tgt Ion: 172 Resp: 76309
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.4 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: BF139450.D

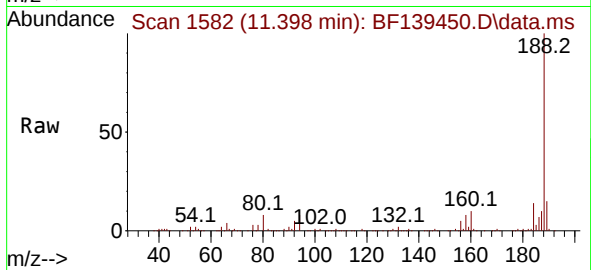
Acq: 19 Sep 2024 02:54

Instrument :

BNA_F

ClientSampleId :

HR-01-091724



Tgt Ion:188 Resp: 146970

Ion Ratio Lower Upper

188 100

94 7.6 5.5 8.3

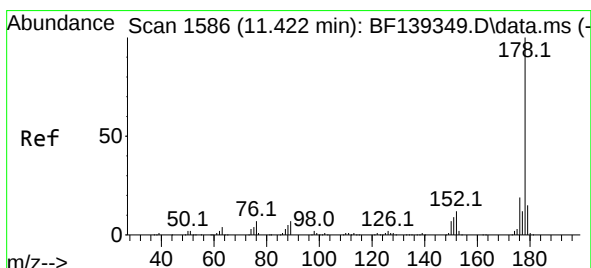
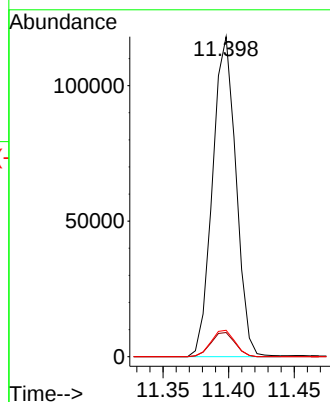
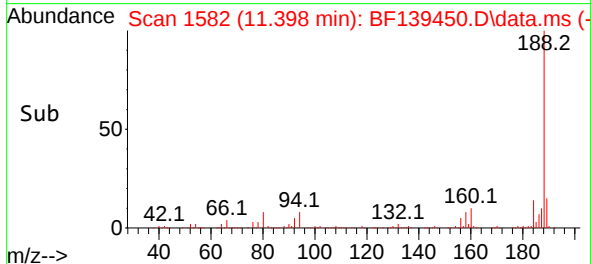
80 8.3 6.6 9.8

Manual Integrations

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Supervised By :mohammad ahmed 09/20/2024



#71

Phenanthrene

Concen: 8.716 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

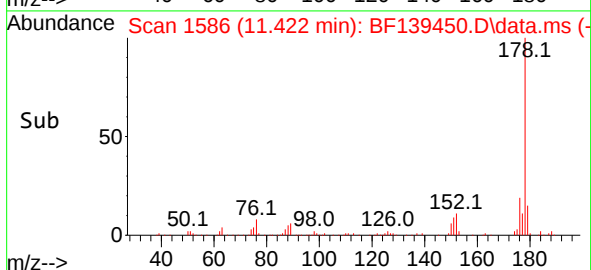
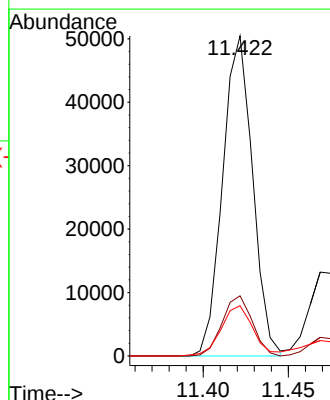
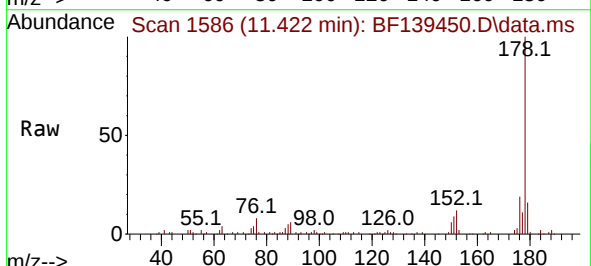
Tgt Ion:178 Resp: 61799

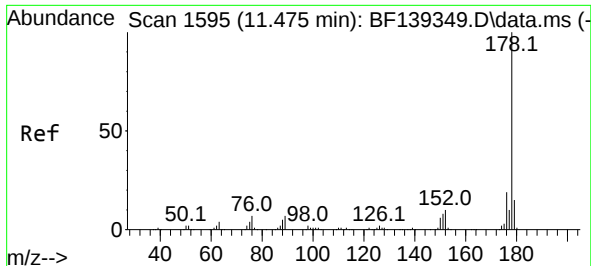
Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

179 15.7 12.2 18.4





#72

Anthracene

Concen: 2.693 ng m

RT: 11.469 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

Instrument :

BNA_F

ClientSampleId :

HR-01-091724

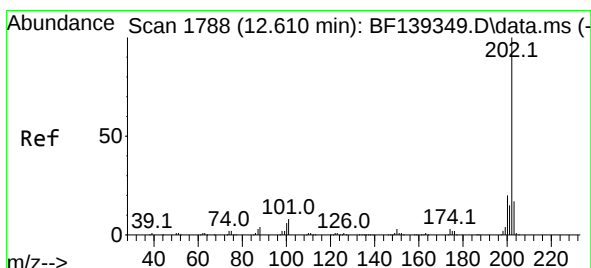
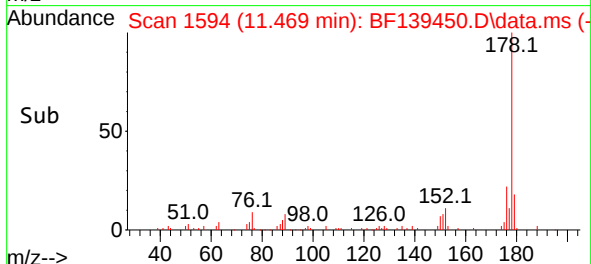
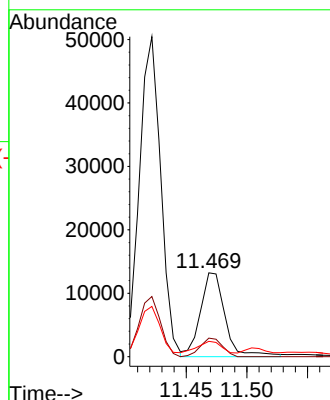
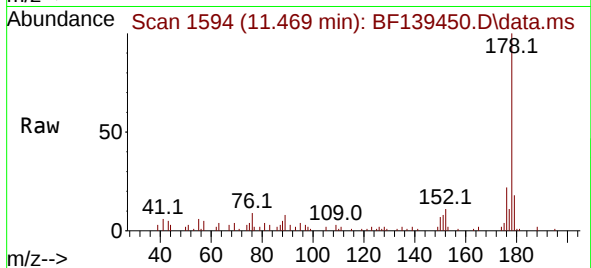
Tgt Ion:178 Resp: 1867

Ion	Ratio	Lower	Upper
178	100		
176	22.1	15.0	22.6
179	18.4	12.0	18.0

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Supervised By :mohammad ahmed 09/20/2024



#75

Fluoranthene

Concen: 11.611 ng

RT: 12.610 min Scan# 1788

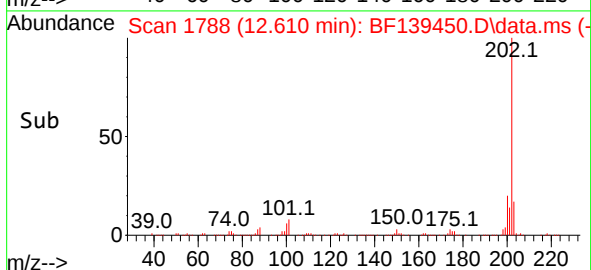
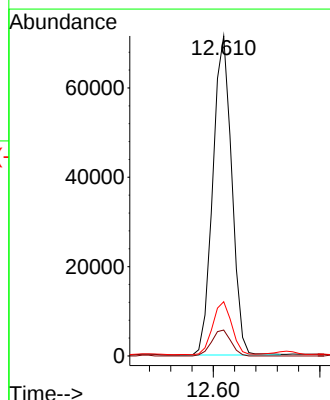
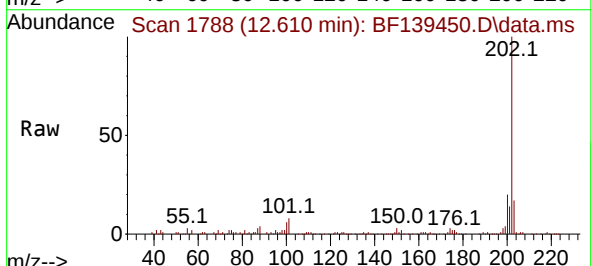
Delta R.T. -0.000 min

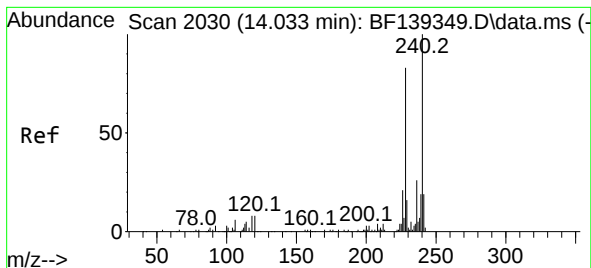
Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

Tgt Ion:202 Resp: 87924

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	27.7
203	17.0	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: BF139450.D

Acq: 19 Sep 2024 02:54

Instrument :

BNA_F

ClientSampleId :

HR-01-091724

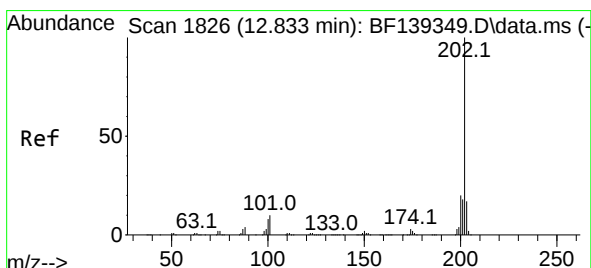
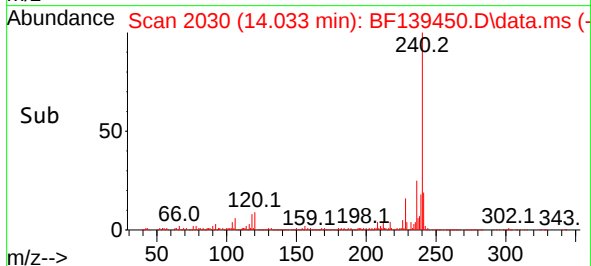
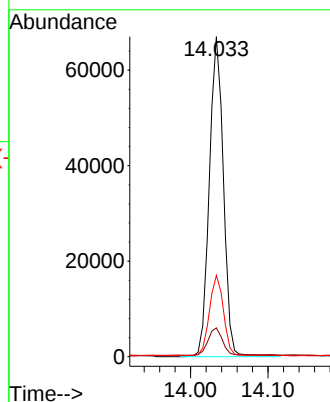
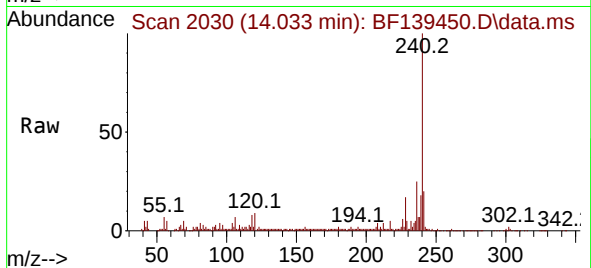
Tgt Ion:240 Resp: 84994

Ion	Ratio	Lower	Upper
240	100		
120	9.0	6.2	9.2
236	25.4	20.9	31.3

Manual Integrations

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#78

Pyrene

Concen: 9.726 ng

RT: 12.839 min Scan# 1827

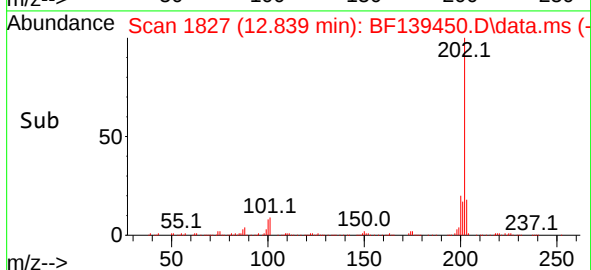
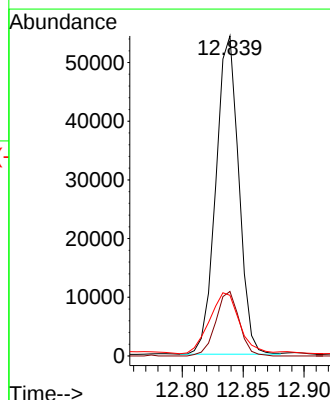
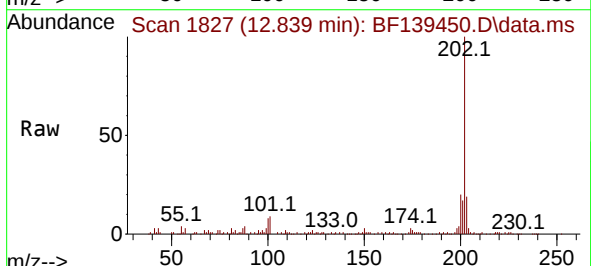
Delta R.T. 0.006 min

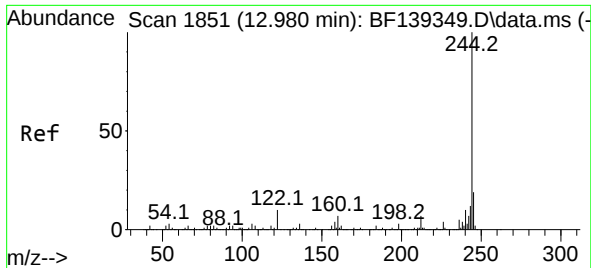
Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

Tgt Ion:202 Resp: 70977

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.2
203	18.9	13.9	20.9





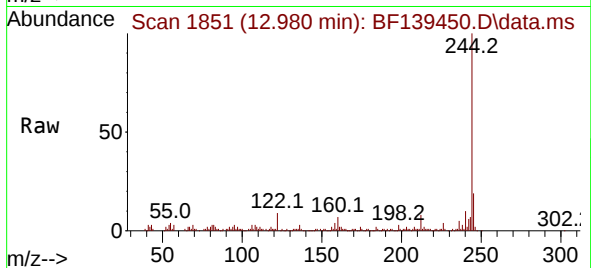
#79
 Terphenyl-d14
 Concen: 14.954 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139450.D
 Acq: 19 Sep 2024 02:54

Instrument :

BNA_F

ClientSampleId :

HR-01-091724

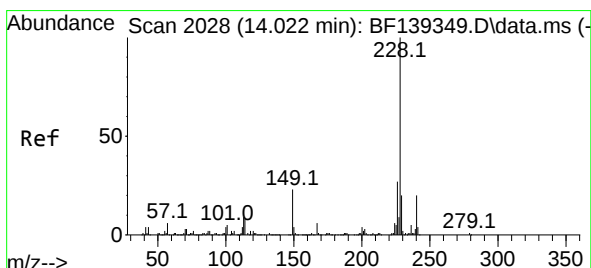
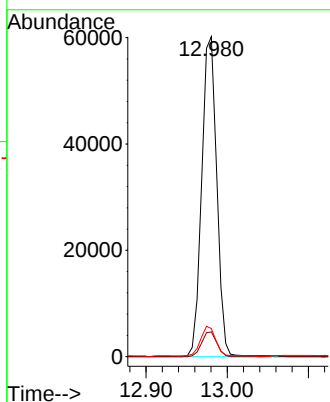
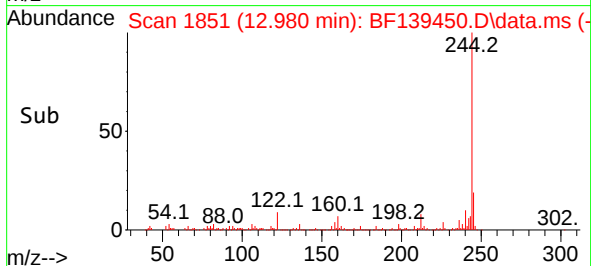


Tgt Ion:244 Resp: 77434
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 8.8 7.6 11.4

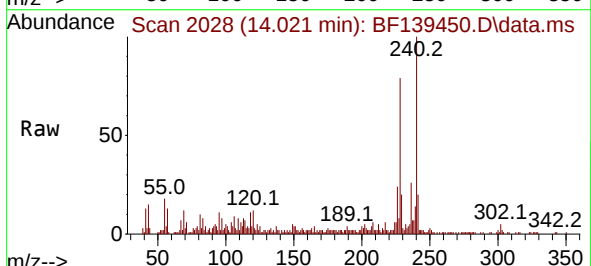
Manual Integrations

APPROVED

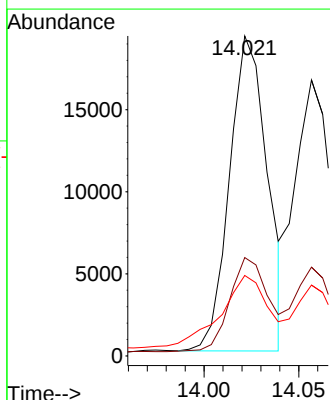
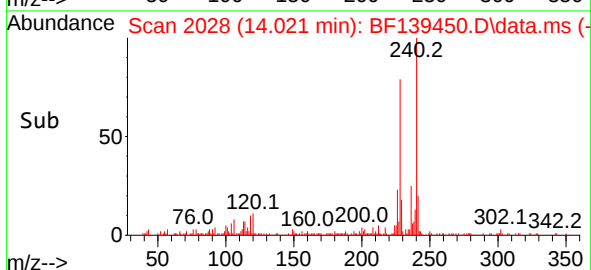
Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

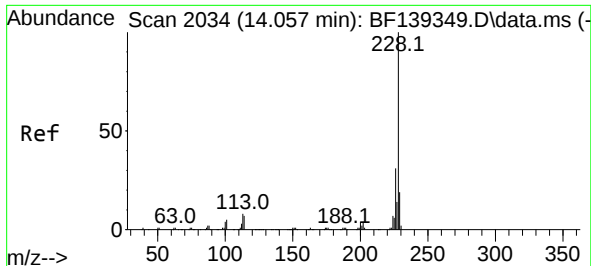


#81
 Benzo(a)anthracene
 Concen: 4.736 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BF139450.D
 Acq: 19 Sep 2024 02:54



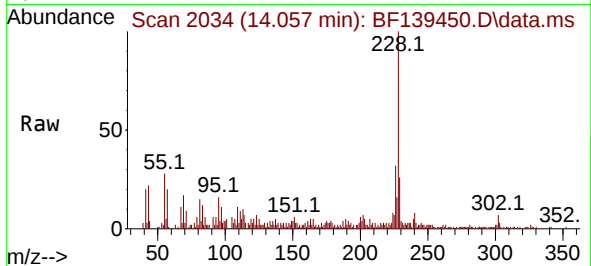
Tgt Ion:228 Resp: 26664
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.6 32.4
 229 25.1 15.7 23.5#





#83
Chrysene
Concen: 4.309 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139450.D
Acq: 19 Sep 2024 02:54

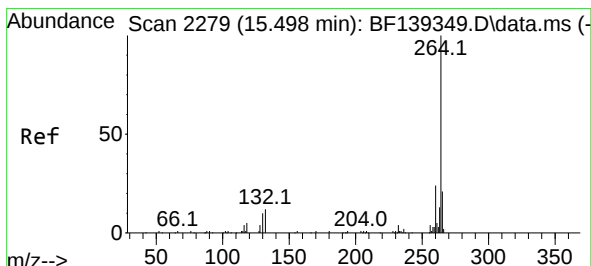
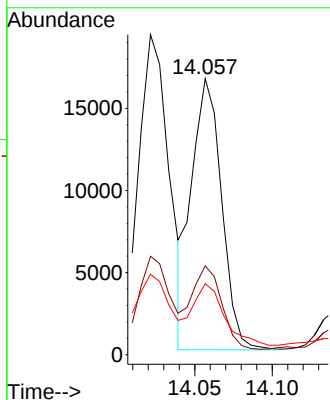
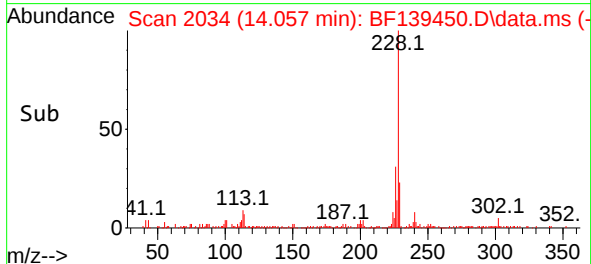
Instrument :
BNA_F
ClientSampleId :
HR-01-091724



Tgt Ion:228 Resp: 22318
Ion Ratio Lower Upper
228 100
226 32.2 24.1 36.1
229 25.7 15.4 23.0

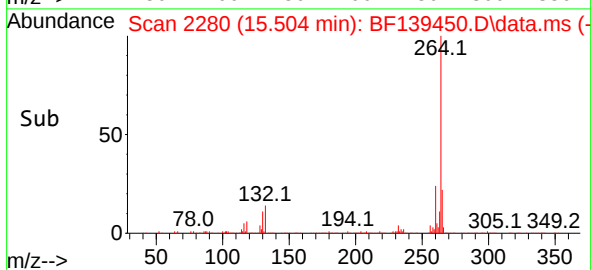
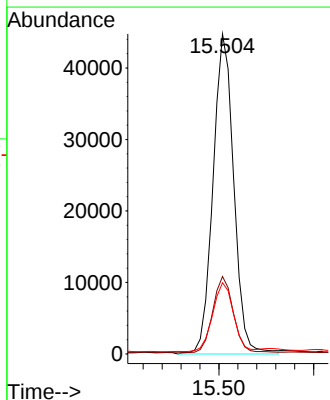
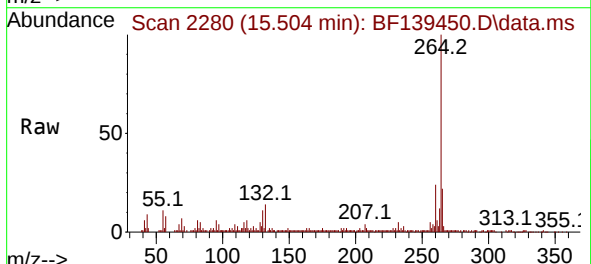
Manual Integrations
APPROVED

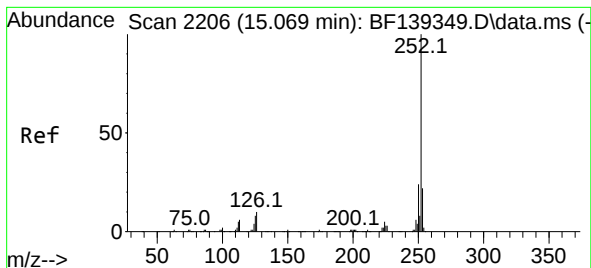
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF139450.D
Acq: 19 Sep 2024 02:54

Tgt Ion:264 Resp: 68040
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.3 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 5.071 ng m

RT: 15.074 min Scan# 21279

Delta R.T. 0.006 min

Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

Instrument :

BNA_F

ClientSampleId :

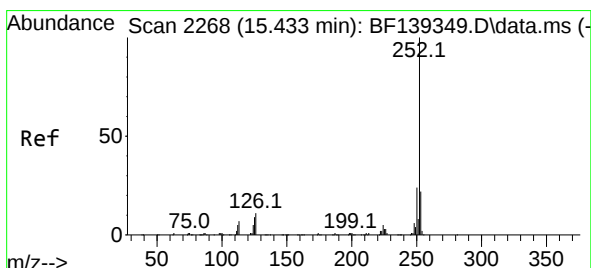
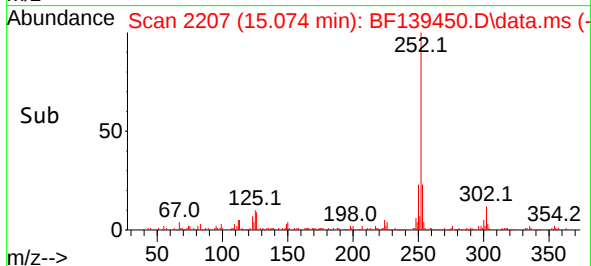
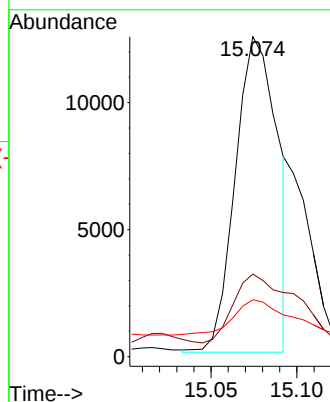
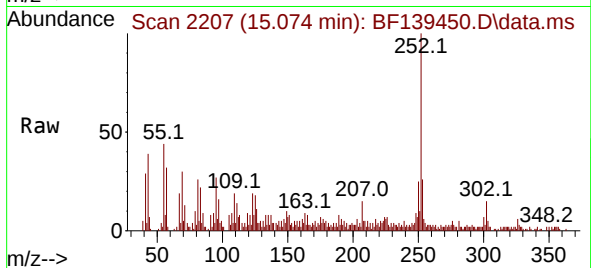
HR-01-091724

Tgt Ion:	252	Resp:	21279
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.6	26.4
125	17.8	6.2	9.2

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 3.848 ng

RT: 15.439 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF139450.D

Acq: 19 Sep 2024 02:54

Tgt Ion:	252	Resp:	13392
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.3	25.9#
125	16.6	6.8	10.2#

