

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139979.D
 Acq On : 23 Oct 2024 22:17
 Operator : RC/JU
 Sample : P4397-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-301-TOP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 24 01:13:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	147308	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	535162	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	259896	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	369608	20.000	ng	0.00
76) Chrysene-d12	14.051	240	318909	20.000	ng	0.00
86) Perylene-d12	15.533	264	311630	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	823186	87.483	ng	0.00
7) Phenol-d6	6.504	99	1014654	83.256	ng	0.00
23) Nitrobenzene-d5	7.445	82	597976	61.929	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	184112	75.736	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	936691	59.565	ng	0.00
79) Terphenyl-d14	12.998	244	794759	40.609	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	738416	26.754	ng	100
37) 2-Methylnaphthalene	8.881	142	392241	23.205	ng	99
38) 1-Methylnaphthalene	8.981	142	361633	21.806	ng	99
46) 1,1'-Biphenyl	9.345	154	54794	3.029	ng	97
49) Acenaphthylene	9.787	152	69778	3.312	ng	# 86
52) Acenaphthene	9.957	154	346417	25.420	ng	97
58) Fluorene	10.475	166	220529	14.808	ng	96
71) Phenanthrene	11.439	178	822142	47.091	ng	100
72) Anthracene	11.486	178	324395	19.044	ng	99
75) Fluoranthene	12.627	202	443928	25.153	ng	99
78) Pyrene	12.857	202	631843	22.634	ng	99
81) Benzo(a)anthracene	14.039	228	342920m	16.518	ng	
83) Chrysene	14.074	228	323494	16.995	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.015	276	60334	3.009	ng	96
88) Benzo(b)fluoranthene	15.098	252	208966m	11.008	ng	
89) Benzo(k)fluoranthene	15.110	252	94638m	5.781	ng	
90) Benzo(a)pyrene	15.468	252	225515	14.438	ng	98
92) Benzo(g,h,i)perylene	17.468	276	61435	3.678	ng	99

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

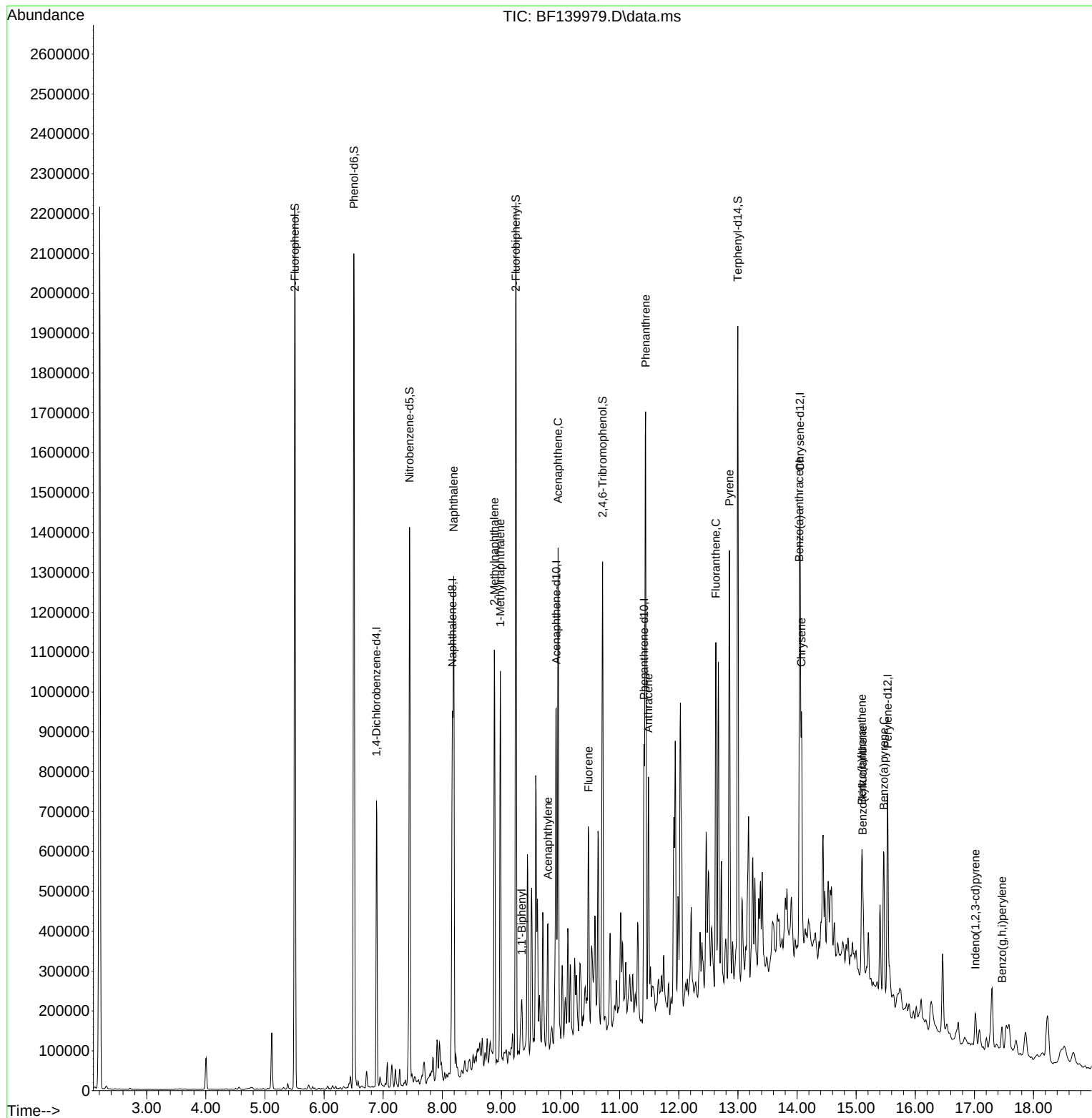
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139979.D
Acq On : 23 Oct 2024 22:17
Operator : RC/JU
Sample : P4397-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

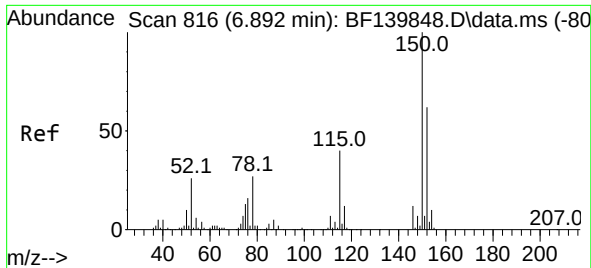
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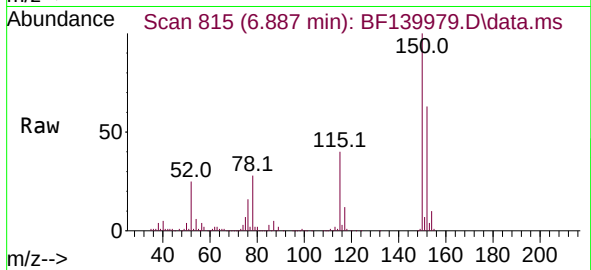
Quant Time: Oct 24 01:13:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

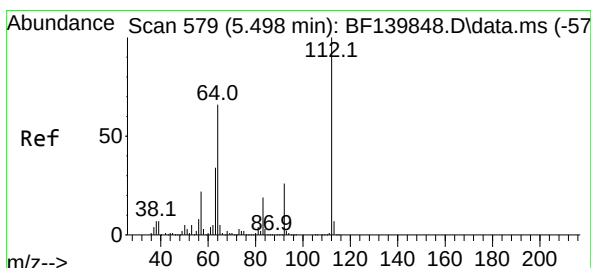
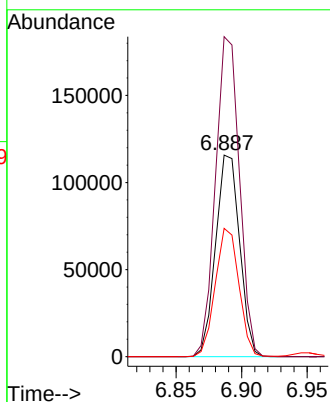
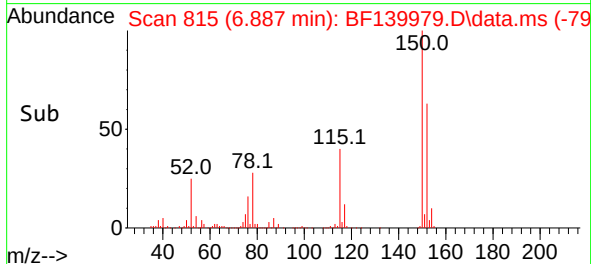
Instrument :
BNA_F
ClientSampleId :
WB-301-TOP



Tgt Ion:152 Resp: 147308
Ion Ratio Lower Upper
152 100
150 158.8 130.2 195.2
115 63.7 51.4 77.2

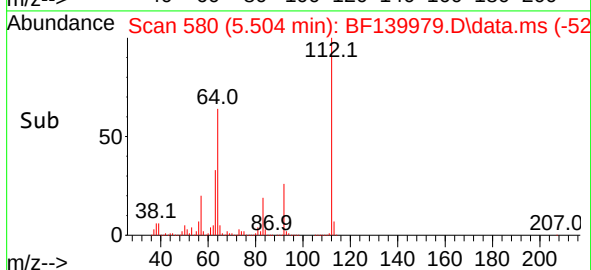
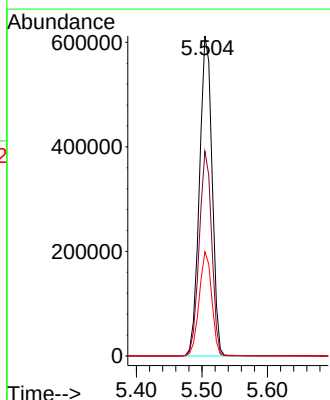
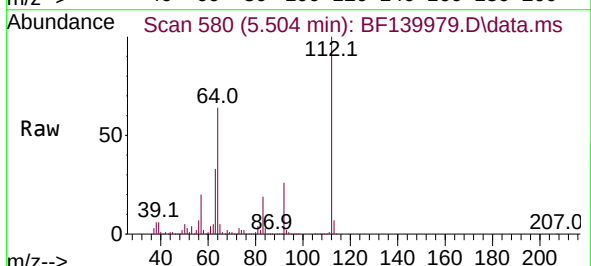
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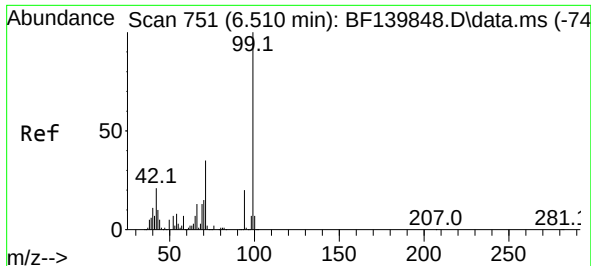
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#5
2-Fluorophenol
Concen: 87.483 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

Tgt Ion:112 Resp: 823186
Ion Ratio Lower Upper
112 100
64 63.9 53.0 79.6
63 32.6 27.0 40.4





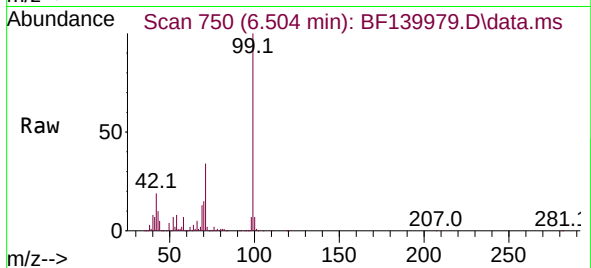
#7
Phenol-d6
Concen: 83.256 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

WB-301-TOP

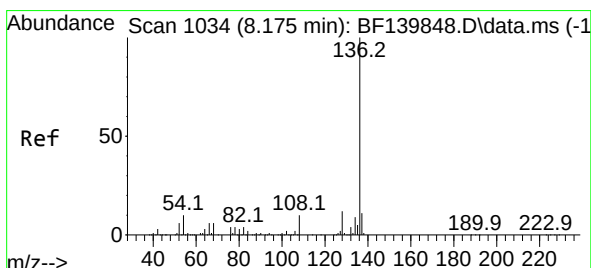
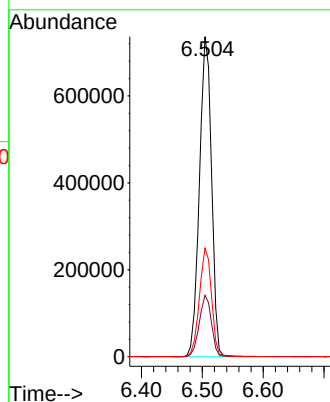
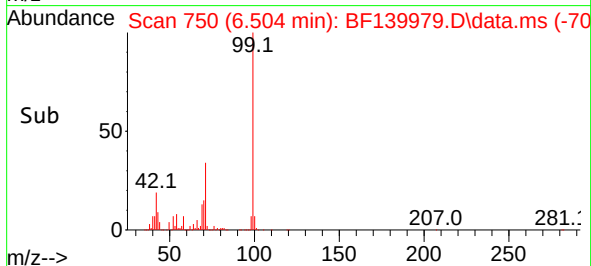


Tgt Ion: 99 Resp: 1014654
Ion Ratio Lower Upper
99 100
42 19.2 16.7 25.1
71 33.9 27.7 41.5

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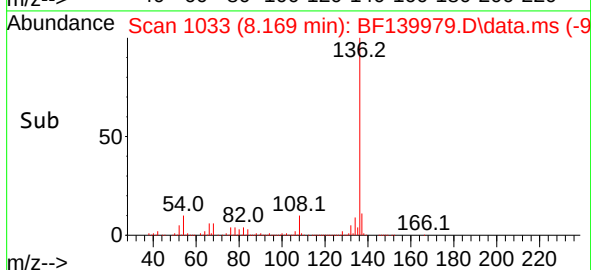
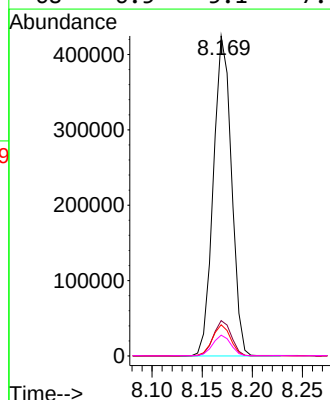
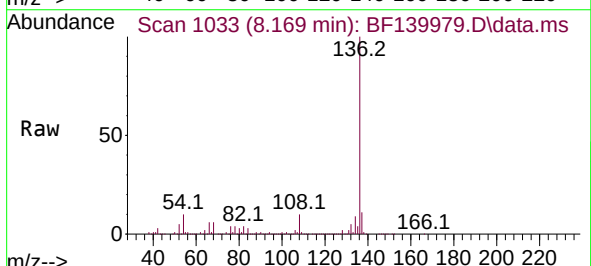
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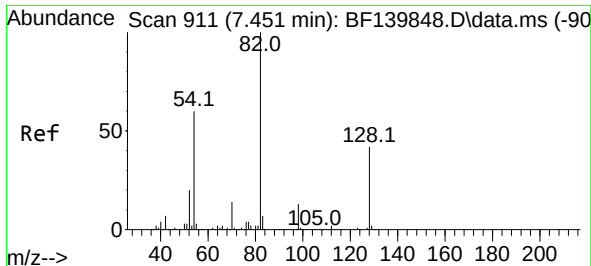
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

Tgt Ion:136 Resp: 535162
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.8 8.4 12.6
68 6.5 5.1 7.7





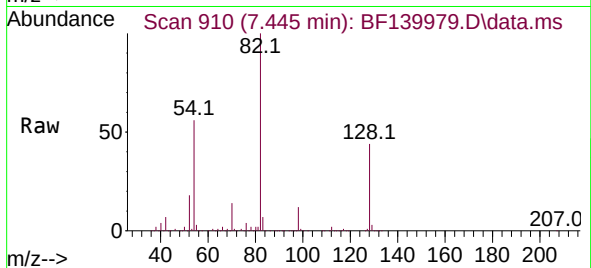
#23
Nitrobenzene-d5
Concen: 61.929 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

Instrument :

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ClientSampleId :

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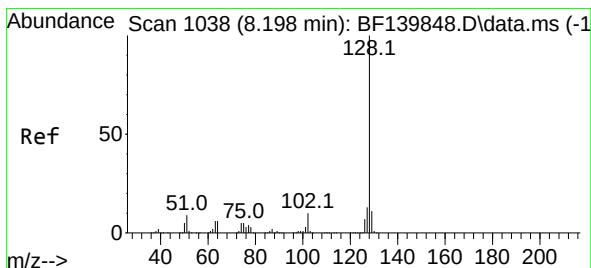
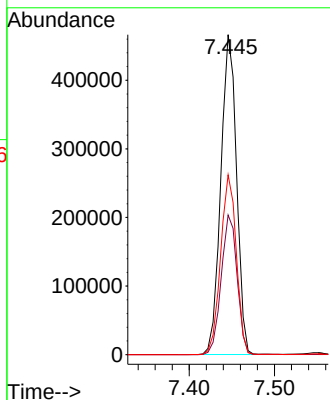
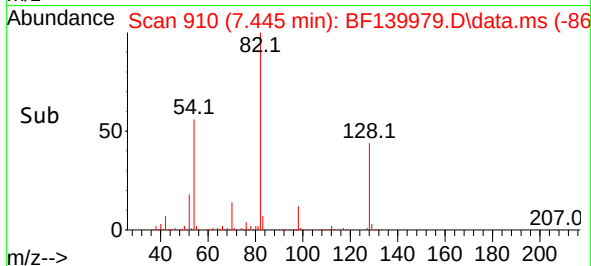


Tgt Ion: 82 Resp: 597970
Ion Ratio Lower Upper
82 100
128 43.6 33.4 50.0
54 56.2 47.8 71.8

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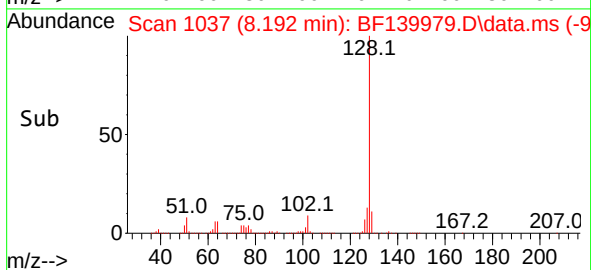
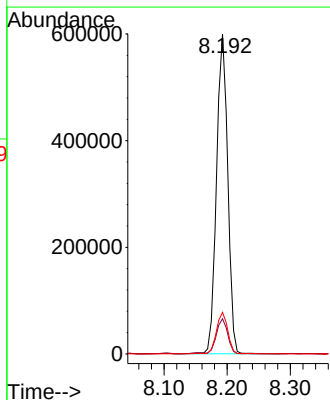
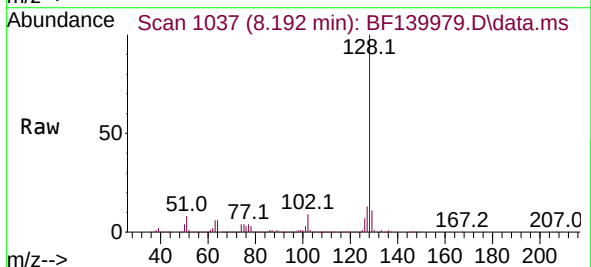
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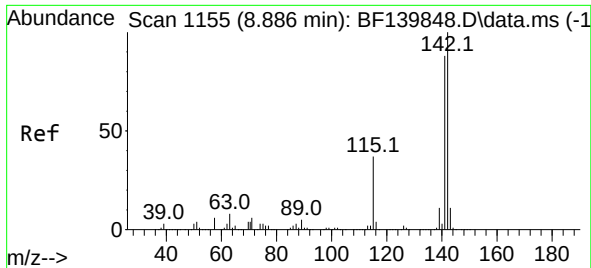
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#31
Naphthalene
Concen: 26.754 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

Tgt Ion:128 Resp: 738416
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.0 10.6 16.0





#37
2-Methylnaphthalene
Concen: 23.205 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

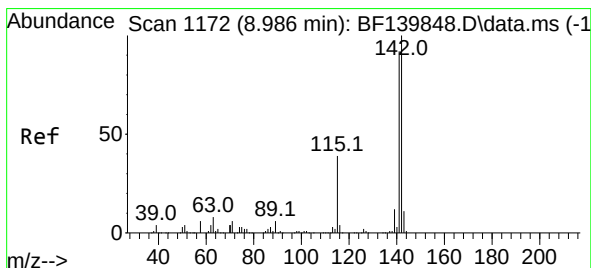
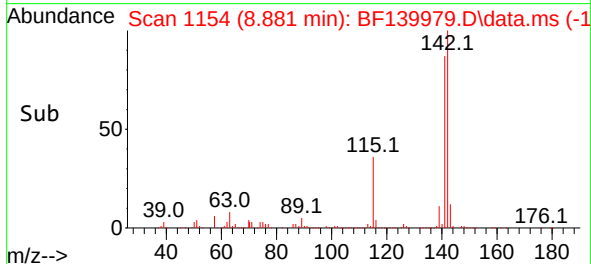
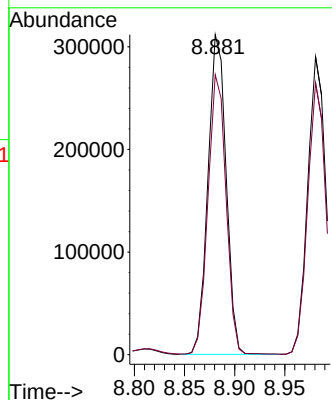
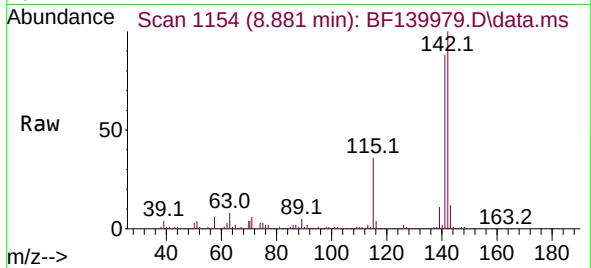
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Tgt Ion:142 Resp: 39224
Ion Ratio Lower Upper
142 100
141 87.5 70.8 106.2

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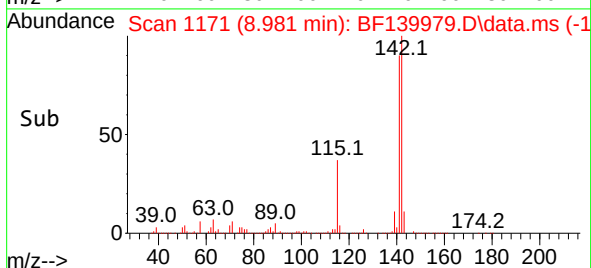
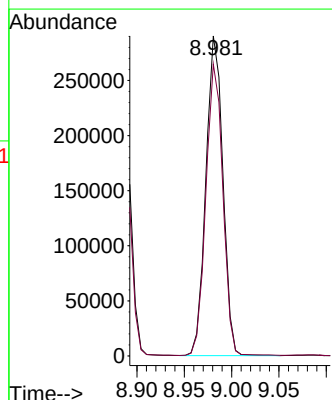
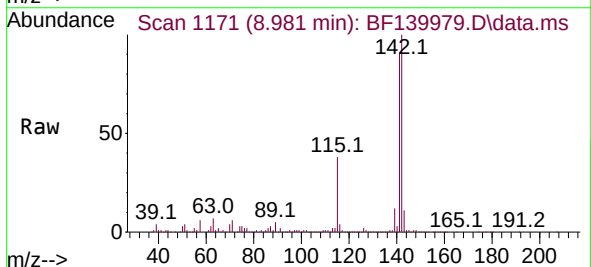
APPROVED

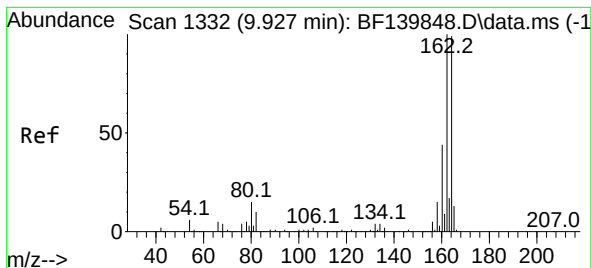
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#38
1-Methylnaphthalene
Concen: 21.806 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

Tgt Ion:142 Resp: 361633
Ion Ratio Lower Upper
142 100
141 91.2 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF139979.D

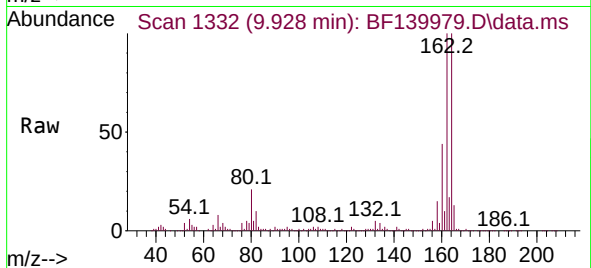
Acq: 23 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:164 Resp: 259890

Ion Ratio Lower Upper

164 100

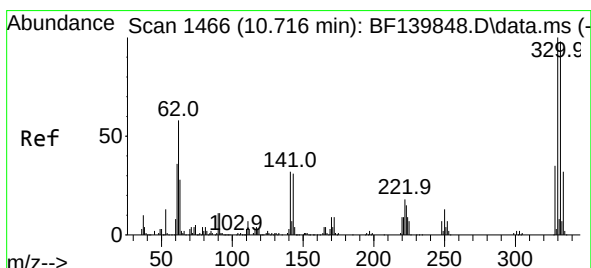
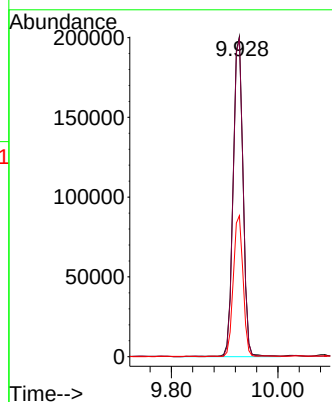
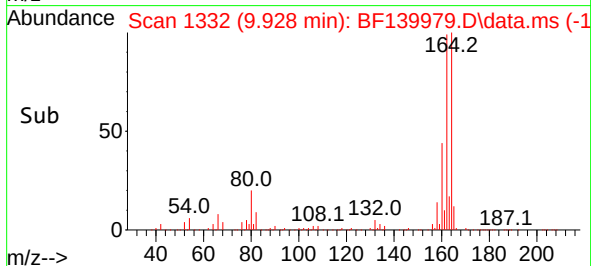
162 99.5 81.0 121.4

160 44.0 35.4 53.0

Manual Integrations

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Supervised By :mohammad ahmed 10/25/2024



#42

2,4,6-Tribromophenol

Concen: 75.736 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139979.D

Acq: 23 Oct 2024 22:17

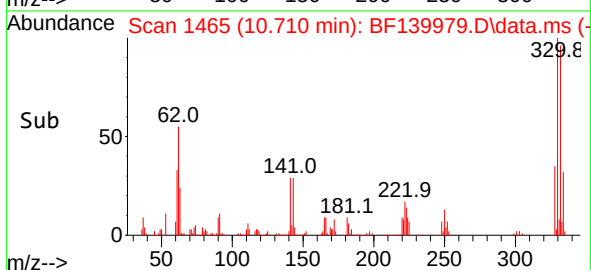
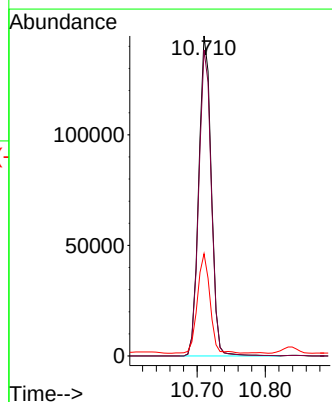
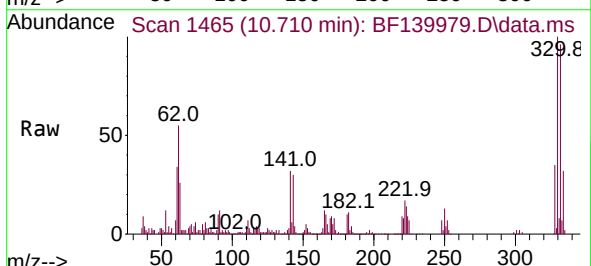
Tgt Ion:330 Resp: 184112

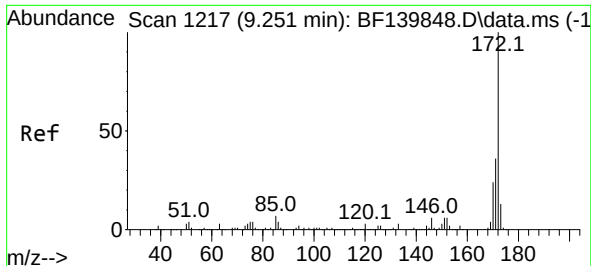
Ion Ratio Lower Upper

330 100

332 96.0 78.1 117.1

141 31.3 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 59.565 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139979.D

Acq: 23 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

WB-301-TOP

Tgt Ion:172 Resp: 93669

Ion Ratio Lower Upper

172 100

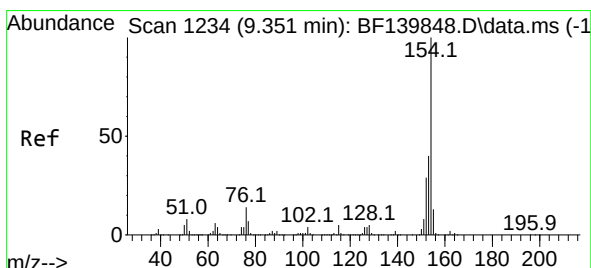
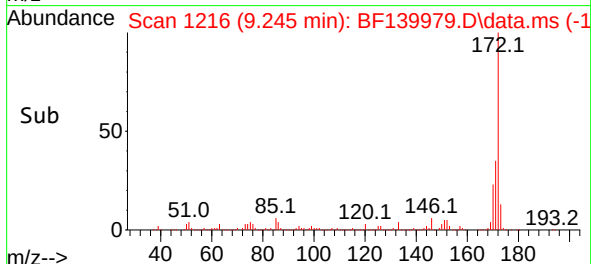
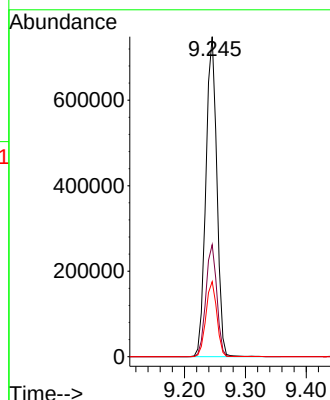
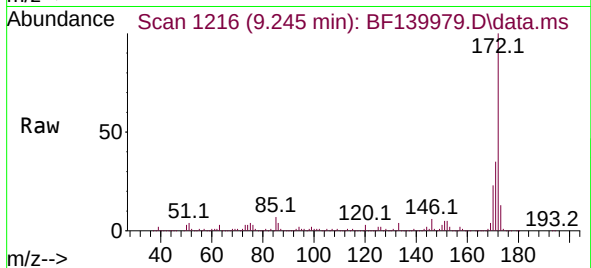
171 35.0 28.6 43.0

170 23.5 19.1 28.7

Manual Integrations

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Supervised By :mohammad ahmed 10/25/2024



#46

1,1'-Biphenyl

Concen: 3.029 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139979.D

Acq: 23 Oct 2024 22:17

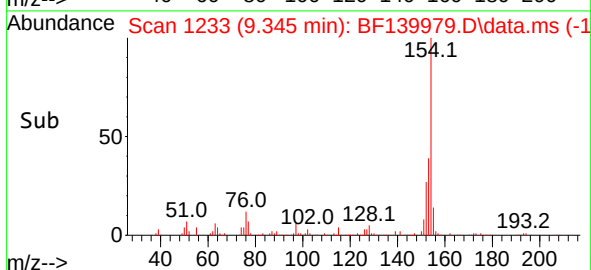
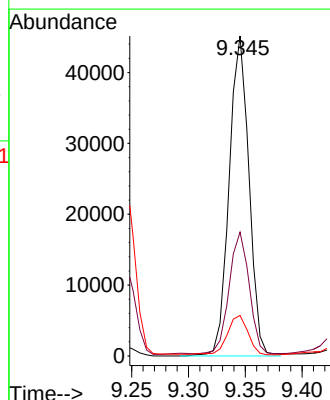
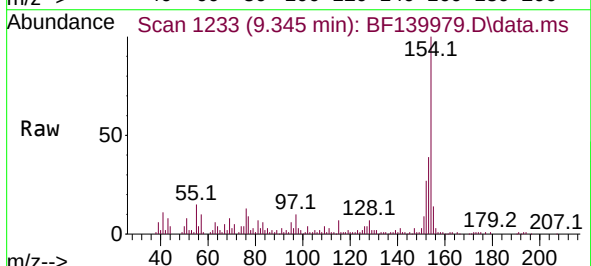
Tgt Ion:154 Resp: 54794

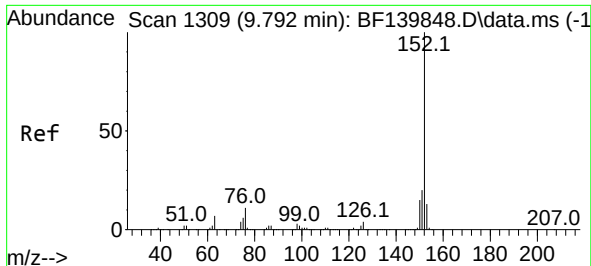
Ion Ratio Lower Upper

154 100

153 38.7 20.3 60.3

76 12.6 0.0 33.9





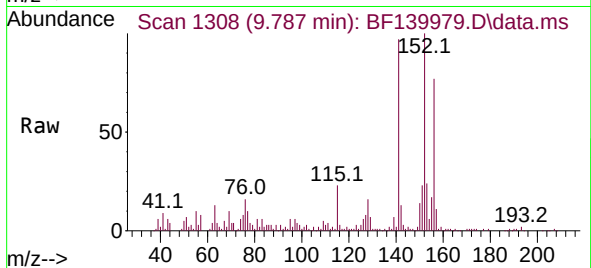
#49
Acenaphthylene
Concen: 3.312 ng
RT: 9.787 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

WB-301-TOP

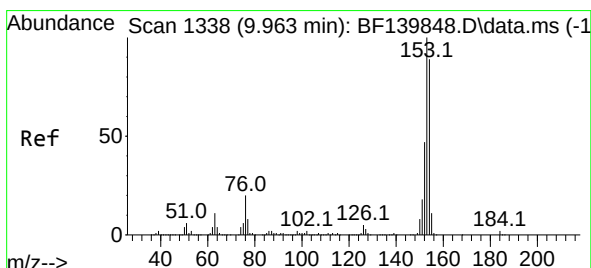
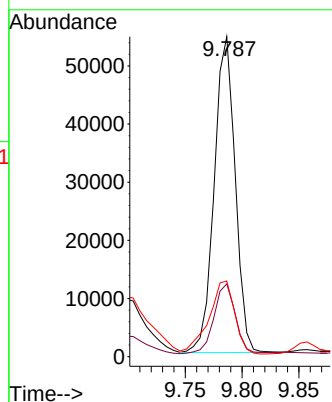
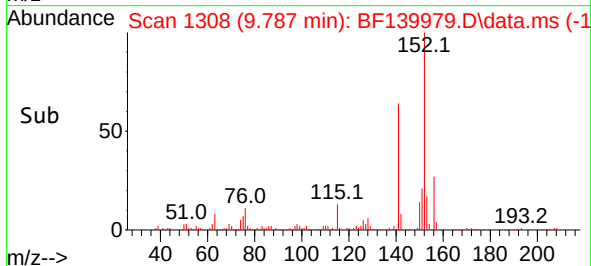


Tgt Ion:152 Resp: 69778
Ion Ratio Lower Upper
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151 22.7 15.9 23.9
153 23.6 10.7 16.1

Manual Integrations

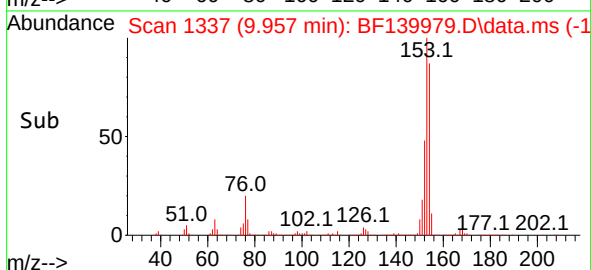
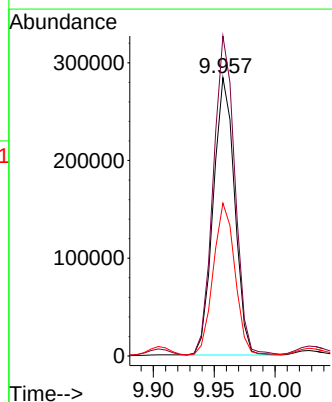
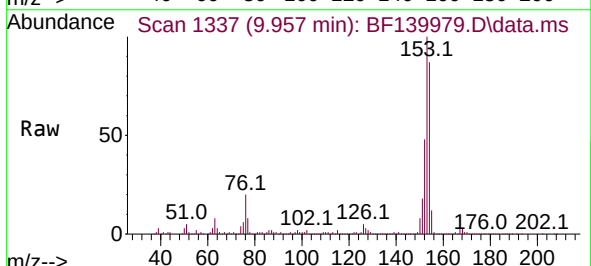
APPROVED

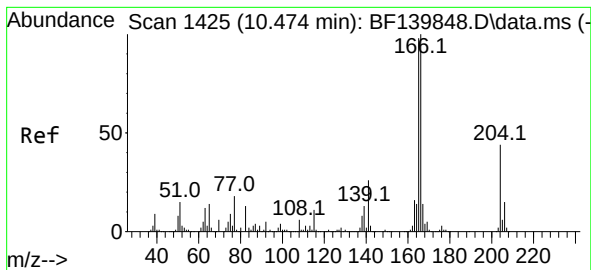
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#52
Acenaphthene
Concen: 25.420 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

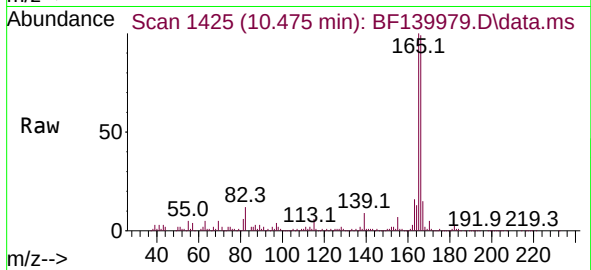
Tgt Ion:154 Resp: 346417
Ion Ratio Lower Upper
154 100
153 114.9 89.8 134.6
152 54.9 42.4 63.6





#58
Fluorene
Concen: 14.808 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

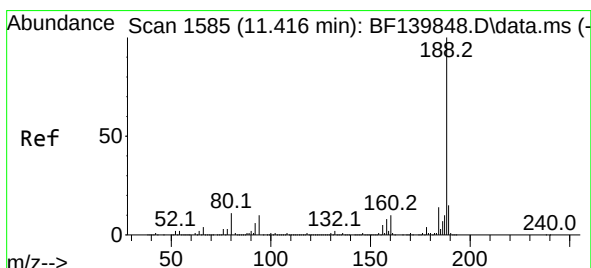
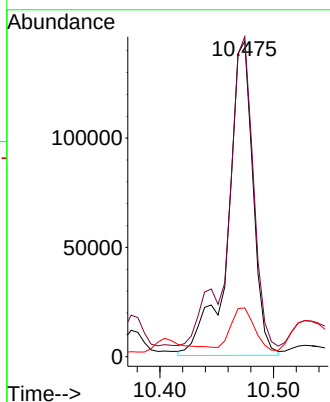
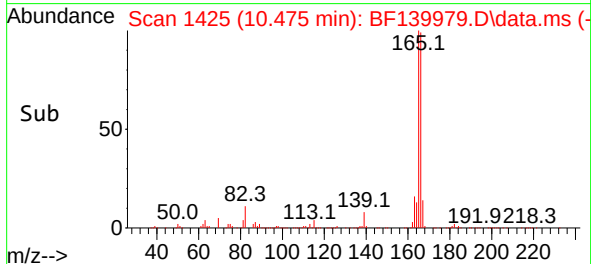
Instrument :
BNA_F
ClientSampleId :
WB-301-TOP



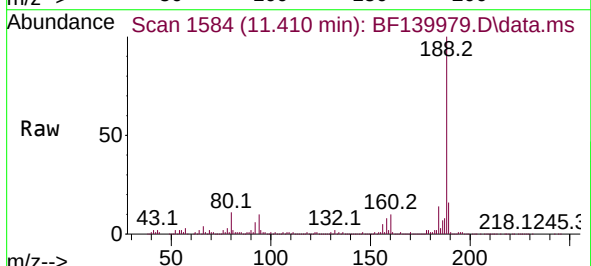
Tgt Ion:166 Resp: 220529
Ion Ratio Lower Upper
166 100
165 101.4 78.5 117.7
167 15.5 10.9 16.3

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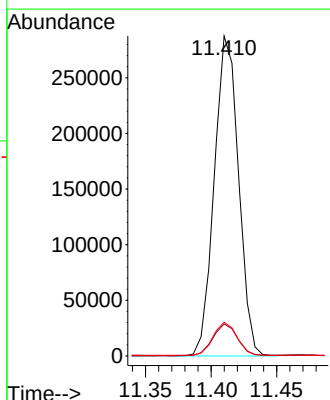
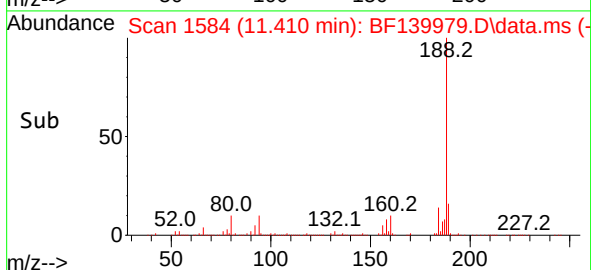
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

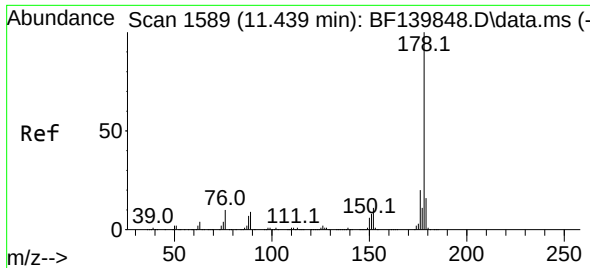


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17



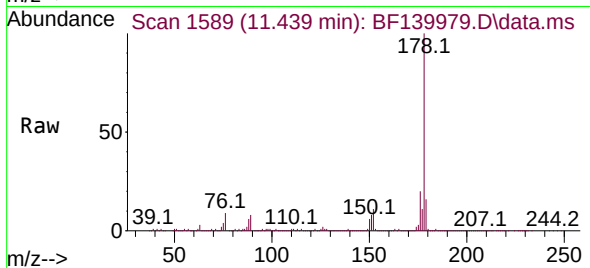
Tgt Ion:188 Resp: 369608
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.5 9.0 13.4





#71
Phenanthrene
Concen: 47.091 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

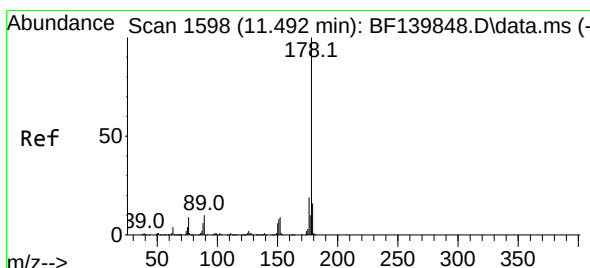
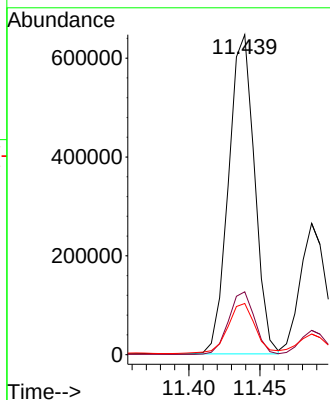
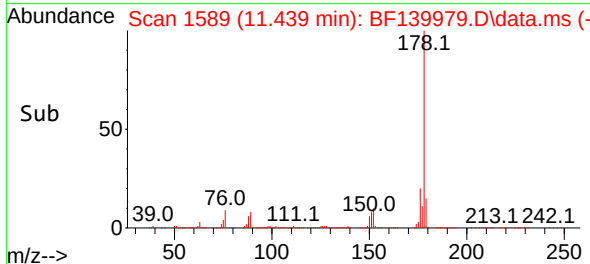
Instrument :
BNA_F
ClientSampleId :
WB-301-TOP



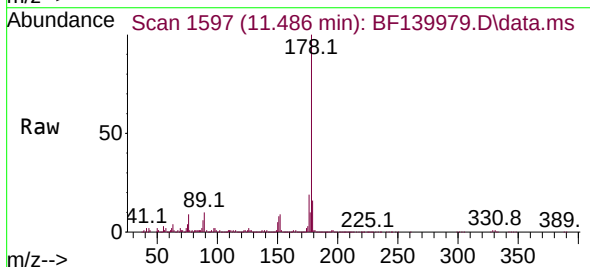
Tgt Ion:178 Resp: 82214
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 16.0 12.6 18.8

Manual Integrations
APPROVED

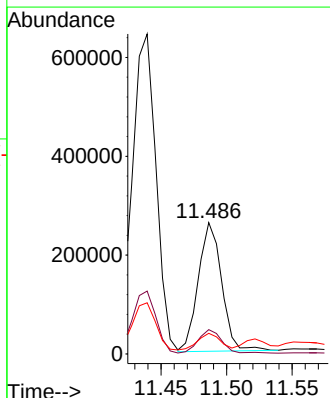
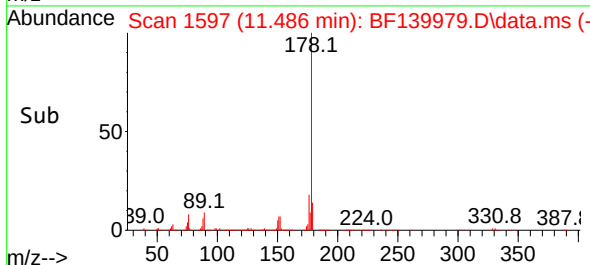
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

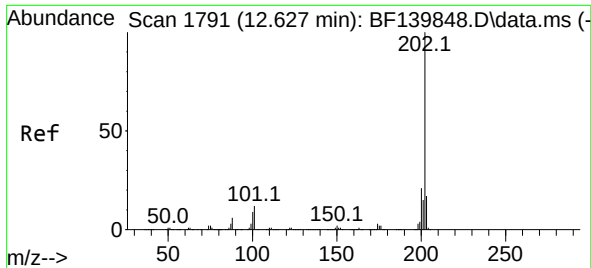


#72
Anthracene
Concen: 19.044 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17



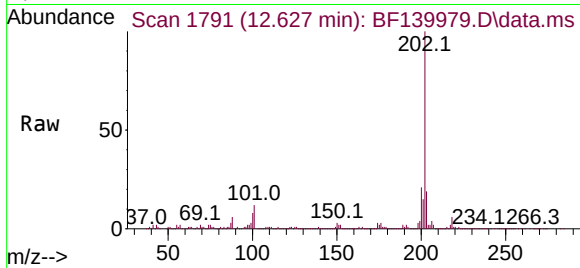
Tgt Ion:178 Resp: 324395
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.7 12.4 18.6





#75
Fluoranthene
Concen: 25.153 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

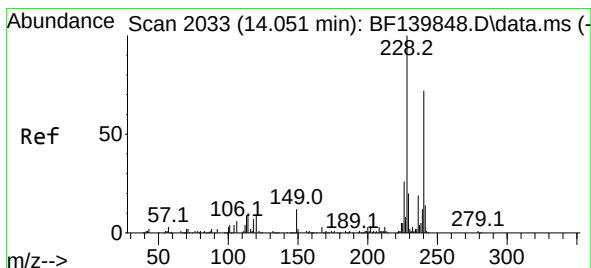
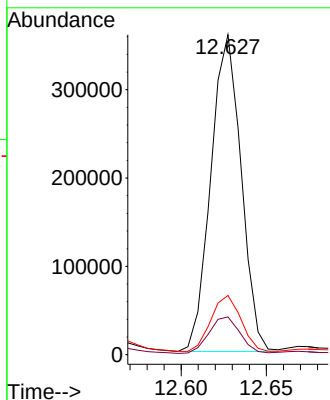
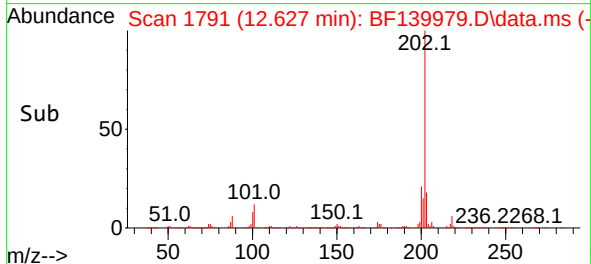
Instrument :
BNA_F
ClientSampleId :
WB-301-TOP



Tgt Ion:202 Resp: 443928
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.9
203 18.5 0.0 37.5

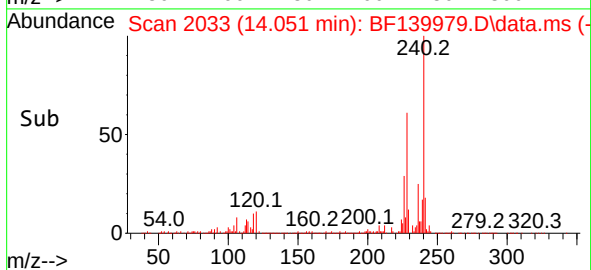
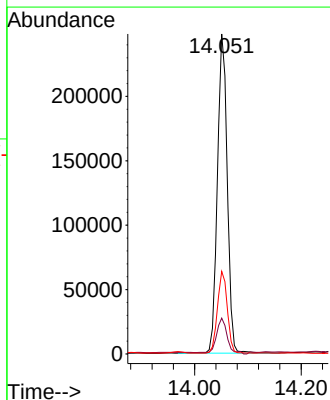
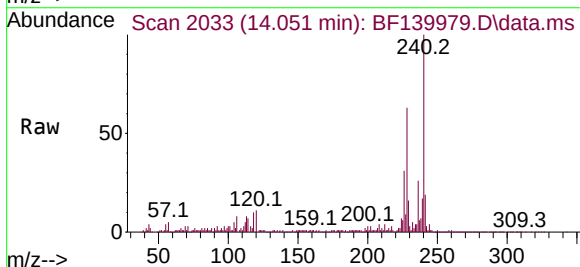
Manual Integrations
APPROVED

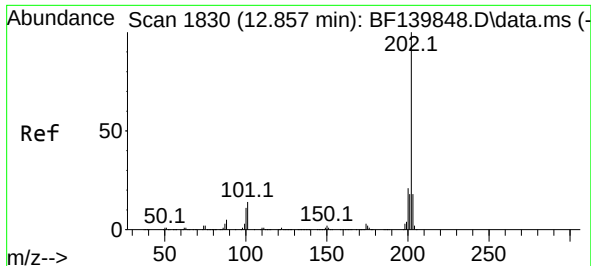
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

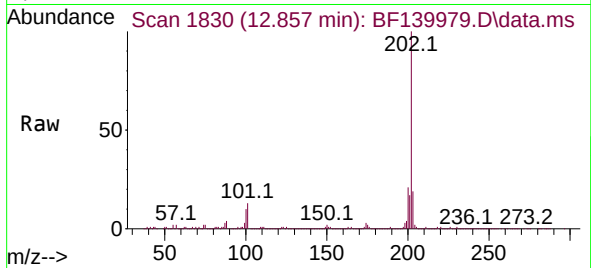
Tgt Ion:240 Resp: 318909
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.8 20.9 31.3





#78
Pyrene
Concen: 22.634 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

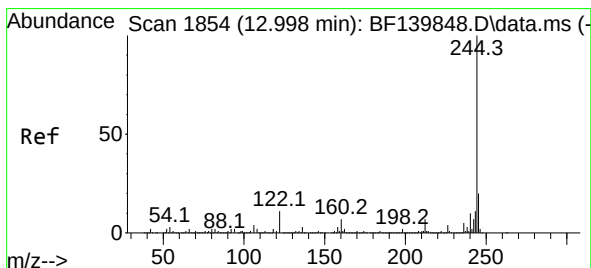
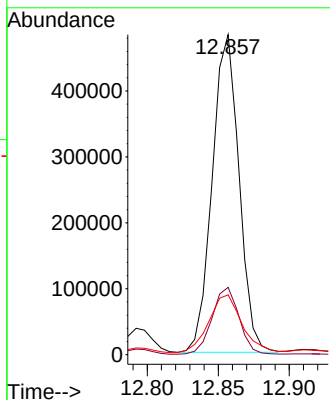
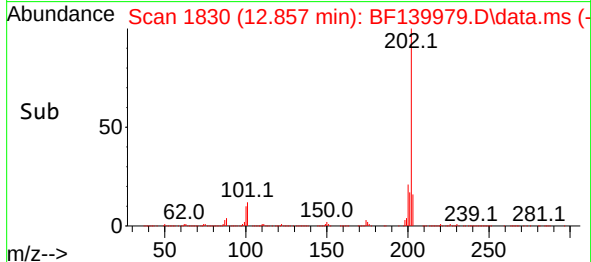
Instrument :
BNA_F
ClientSampleId :
WB-301-TOP



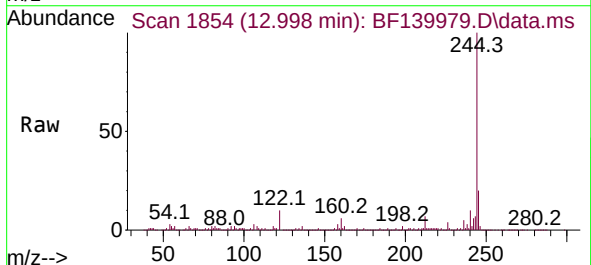
Tgt Ion:202 Resp: 63184
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 18.7 14.2 21.4

Manual Integrations
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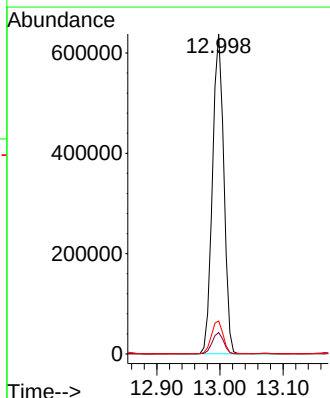
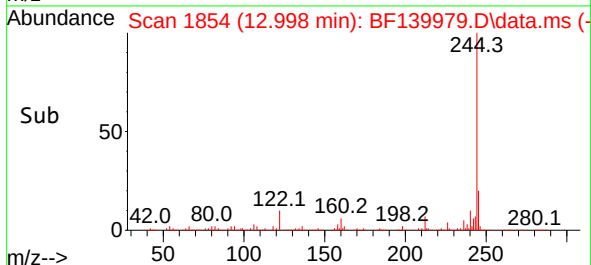
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

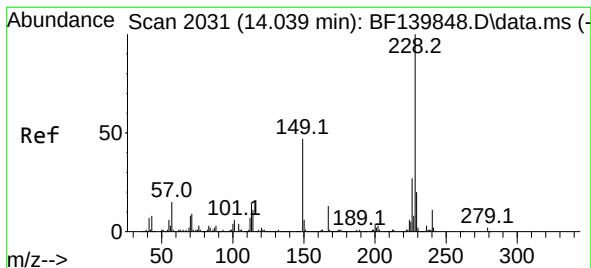


#79
Terphenyl-d14
Concen: 40.609 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17



Tgt Ion:244 Resp: 794759
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 10.3 8.6 13.0





#81

Benzo(a)anthracene

Concen: 16.518 ng m

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF139979.D

Acq: 23 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

WB-301-TOP

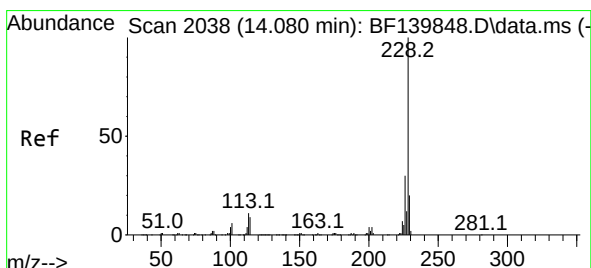
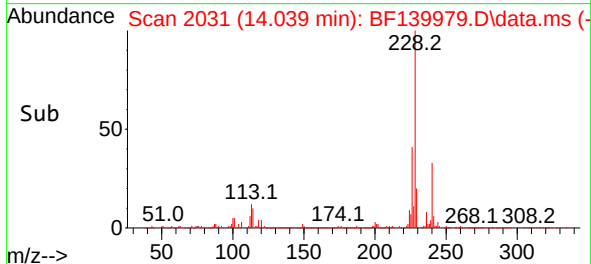
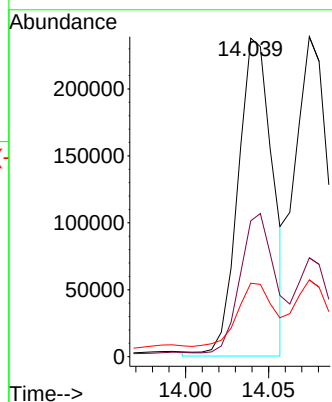
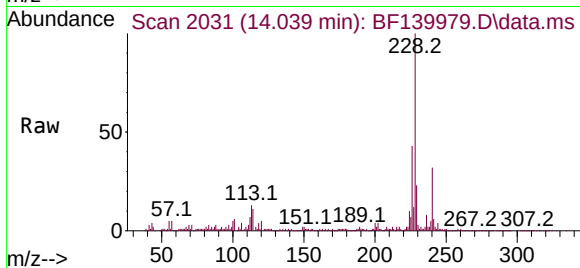
Tgt Ion:228 Resp: 342920

Ion	Ratio	Lower	Upper
228	100		
226	42.7	21.6	32.4
229	23.1	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#83

Chrysene

Concen: 16.995 ng

RT: 14.074 min Scan# 2037

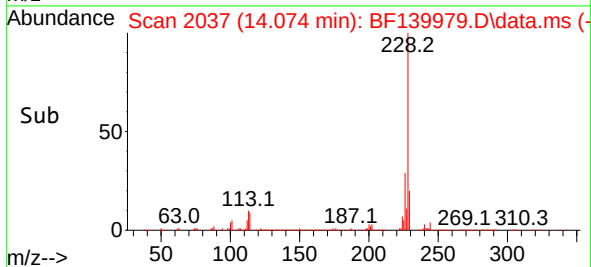
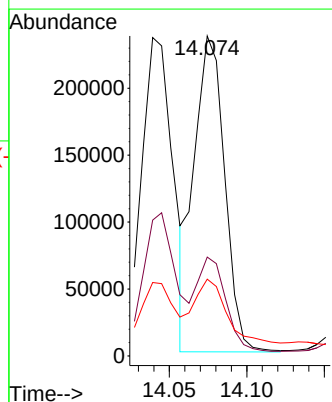
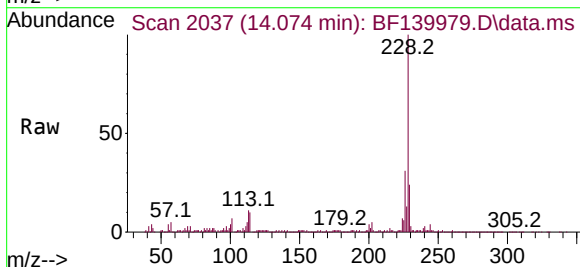
Delta R.T. -0.006 min

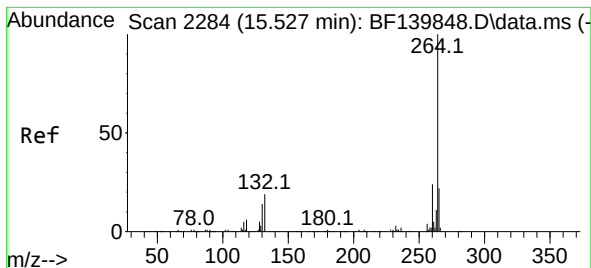
Lab File: BF139979.D

Acq: 23 Oct 2024 22:17

Tgt Ion:228 Resp: 323494

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	24.0	15.8	23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139979.D

Acq: 23 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

WB-301-TOP

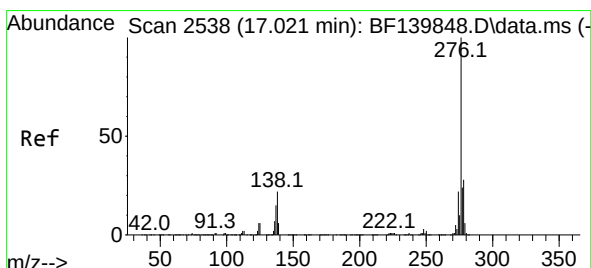
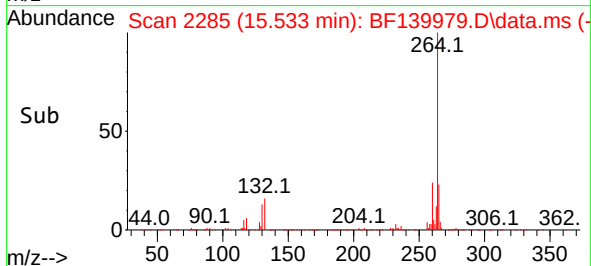
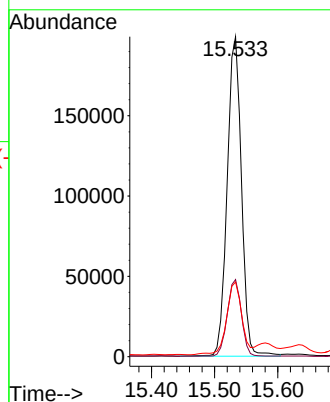
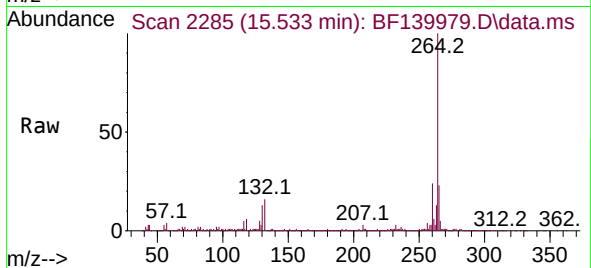
Tgt Ion:264 Resp: 311630

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	23.4	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.009 ng

RT: 17.015 min Scan# 2537

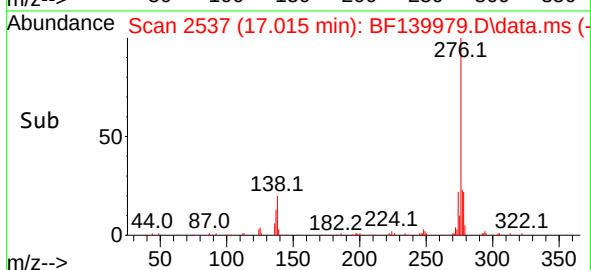
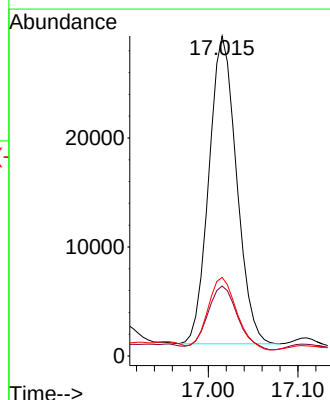
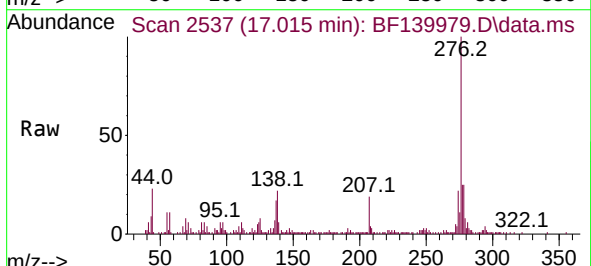
Delta R.T. -0.006 min

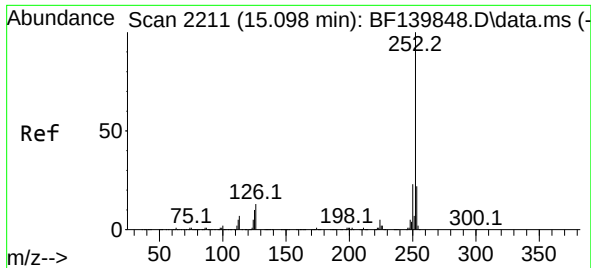
Lab File: BF139979.D

Acq: 23 Oct 2024 22:17

Tgt Ion:276 Resp: 60334

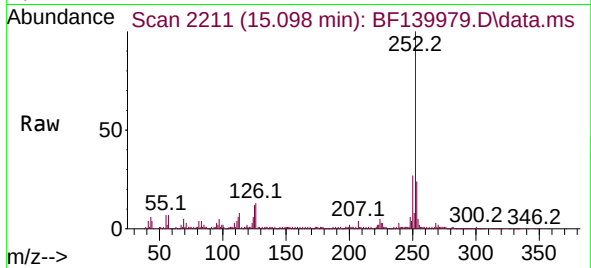
Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.4	30.6
277	24.6	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 11.008 ng m
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

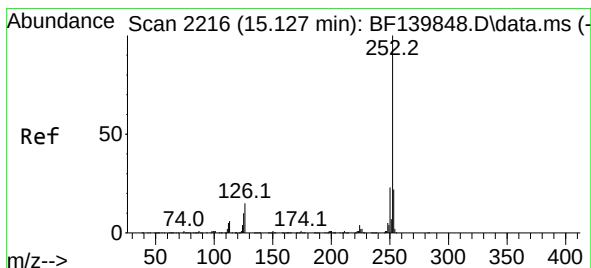
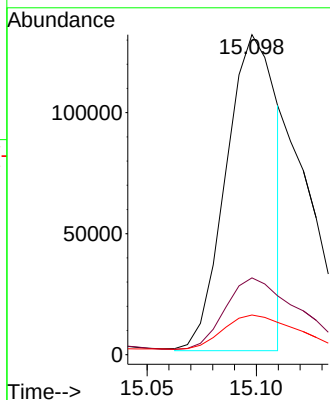
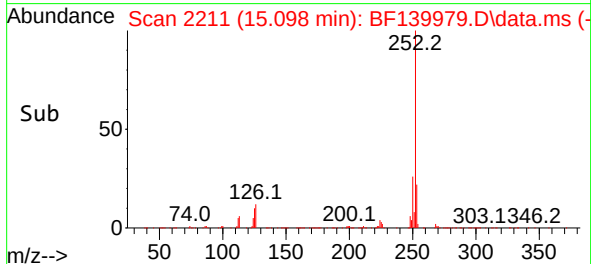
Instrument :
BNA_F
ClientSampleId :
WB-301-TOP



Tgt Ion:252 Resp: 208960
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 12.4 7.9 11.9

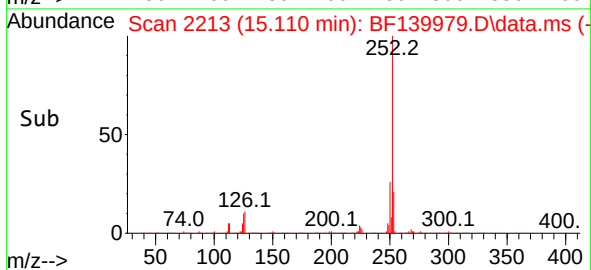
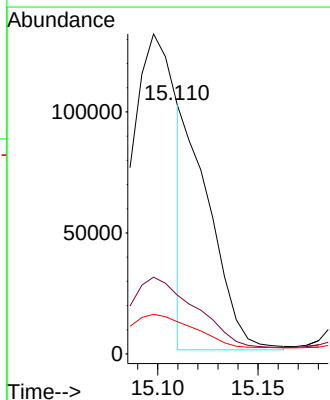
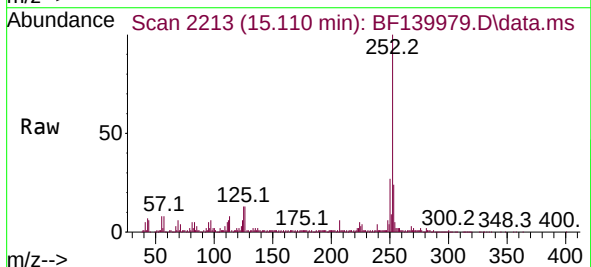
Manual Integrations
APPROVED

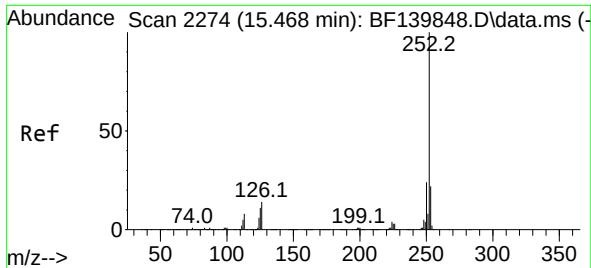
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#89
Benzo(k)fluoranthene
Concen: 5.781 ng m
RT: 15.110 min Scan# 2213
Delta R.T. -0.017 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

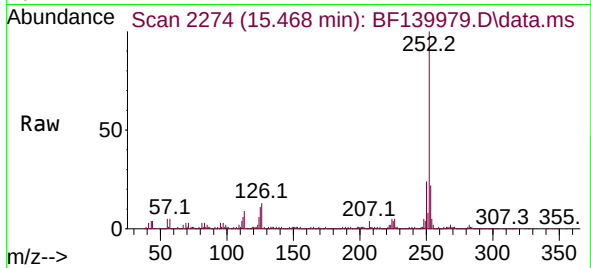
Tgt Ion:252 Resp: 94638
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 13.0 7.9 11.9





#90
Benzo(a)pyrene
Concen: 14.438 ng
RT: 15.468 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

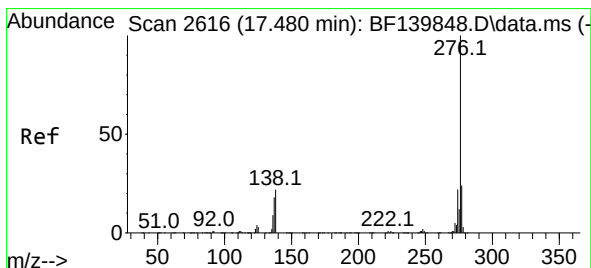
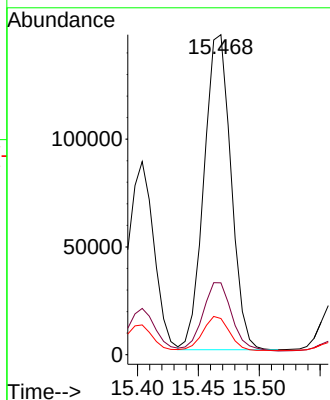
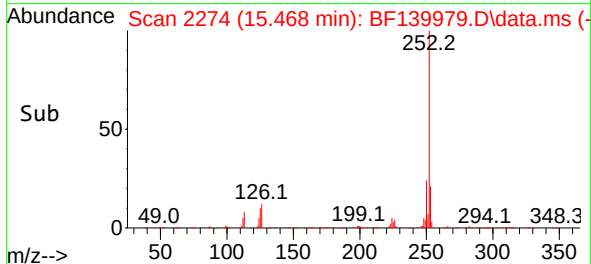
Instrument :
BNA_F
ClientSampleId :
WB-301-TOP



Tgt Ion:252 Resp: 22551
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 11.3 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#92
Benzo(g,h,i)perylene
Concen: 3.678 ng
RT: 17.468 min Scan# 2614
Delta R.T. -0.012 min
Lab File: BF139979.D
Acq: 23 Oct 2024 22:17

Tgt Ion:276 Resp: 61435
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.6
138 20.9 17.4 26.0

