

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
 Data File : BF139331.D
 Acq On : 11 Sep 2024 17:44
 Operator : RC/JU
 Sample : P3905-03DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3BDL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/12/2024
 Supervised By :mohammad ahmed 09/13/2024

Quant Time: Sep 11 18:09:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	118635	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	435391	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	216228	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	313238	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	207856	20.000	ng	0.00
86) Perylene-d12	15.515	264	166105	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	344896	48.634	ng	0.00
7) Phenol-d6	6.504	99	454248	47.981	ng	-0.01
23) Nitrobenzene-d5	7.439	82	298564	35.674	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	87650	46.943	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	540766	38.605	ng	-0.01
79) Terphenyl-d14	12.986	244	376494	29.245	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	150748	10.302	ng	100
72) Anthracene	11.480	178	44180	3.091	ng	98
75) Fluoranthene	12.616	202	667637	45.509	ng	100
78) Pyrene	12.845	202	641771	31.962	ng	99
81) Benzo(a)anthracene	14.033	228	377725	28.459	ng	96
83) Chrysene	14.068	228	322801	26.059	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	141833	13.668	ng	94
88) Benzo(b)fluoranthene	15.086	252	395508m	41.346	ng	
89) Benzo(k)fluoranthene	15.104	252	132752m	15.478	ng	
90) Benzo(a)pyrene	15.457	252	253287	31.182	ng	98
91) Dibenzo(a,h)anthracene	16.998	278	33242m	3.887	ng	
92) Benzo(g,h,i)perylene	17.433	276	132804	15.045	ng	97

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

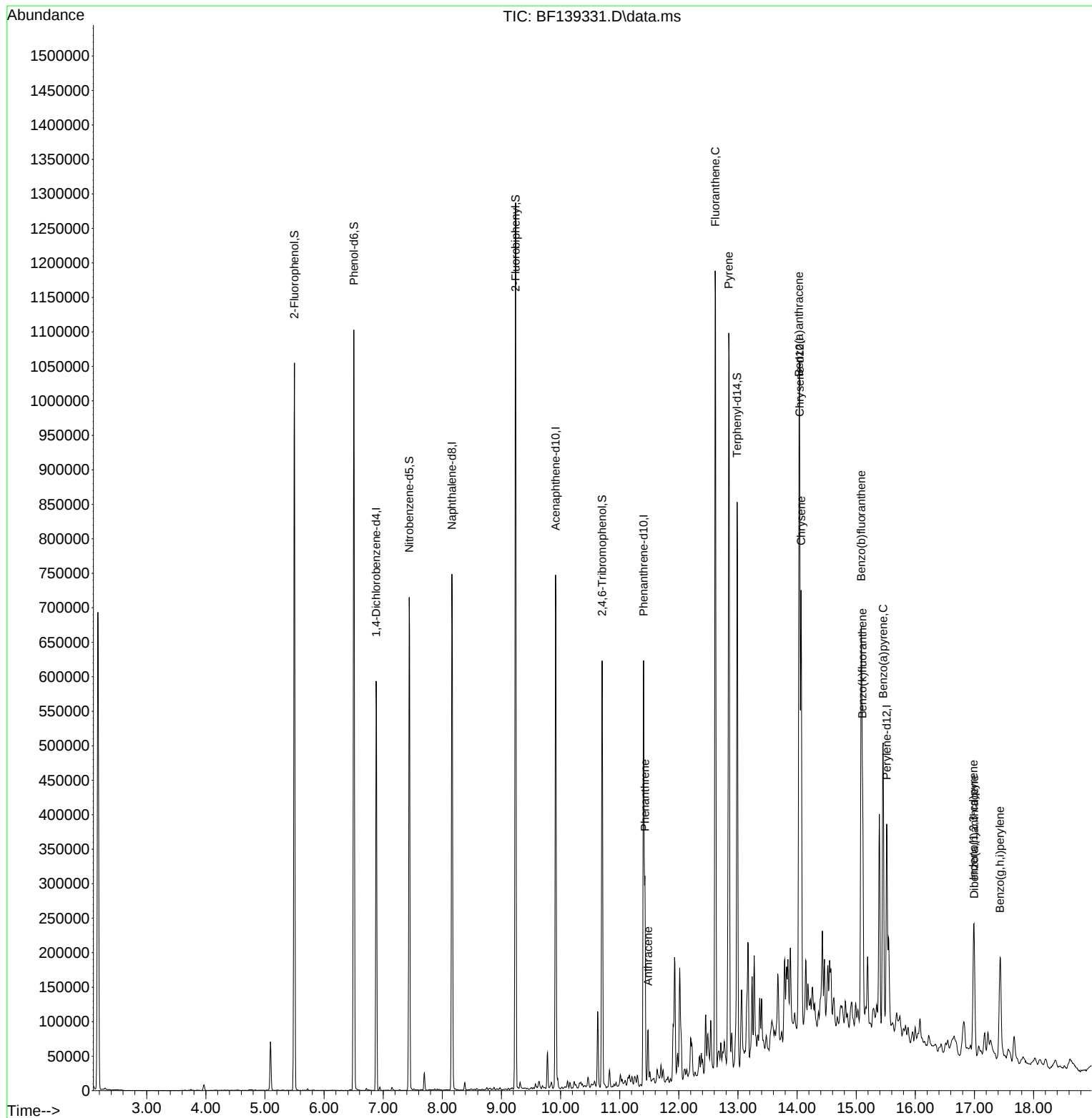
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091124\
Data File : BF139331.D
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ALS Vial : 18 Sample Multiplier: 1

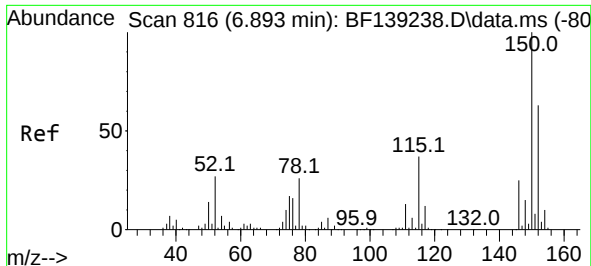
Instrument :
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Quant Time: Sep 11 18:09:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
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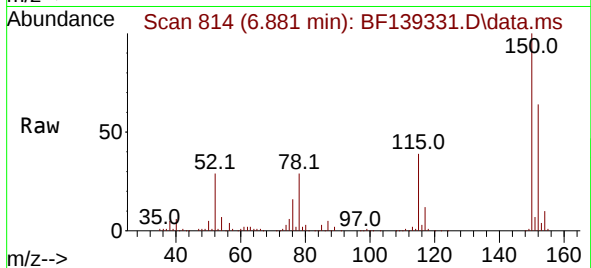
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

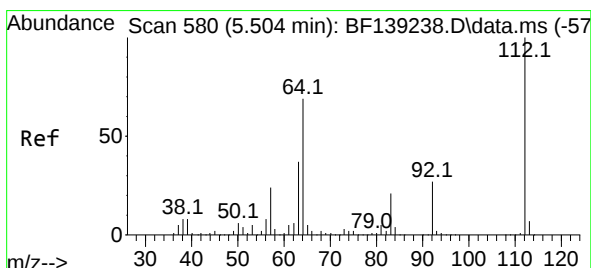
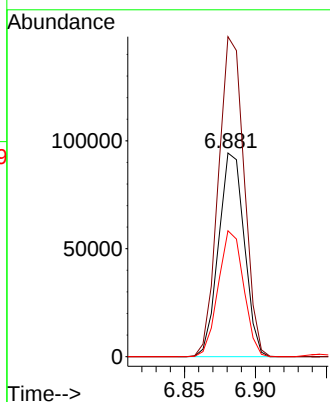
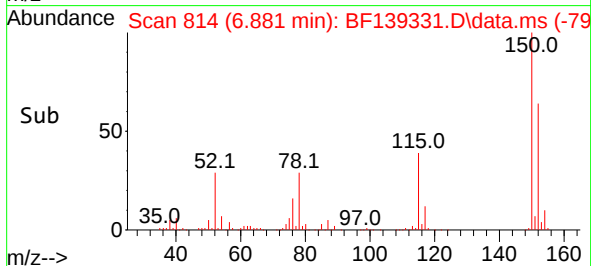
Instrument :
BNA_F
ClientSampleId :
TP-3BDL



Tgt Ion:152 Resp: 11863
Ion Ratio Lower Upper
152 100
150 157.1 127.0 190.4
115 61.8 46.9 70.3

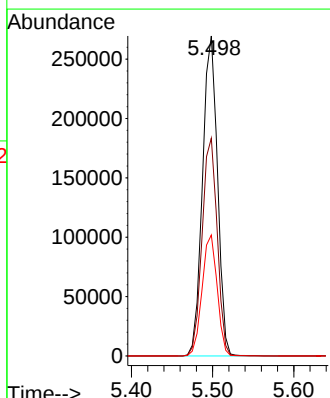
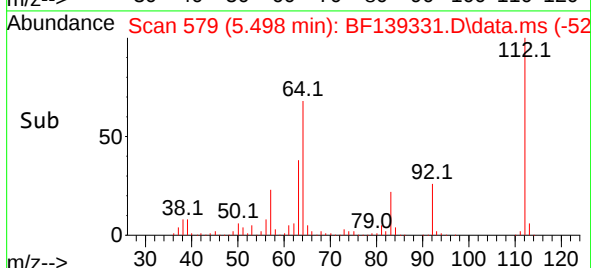
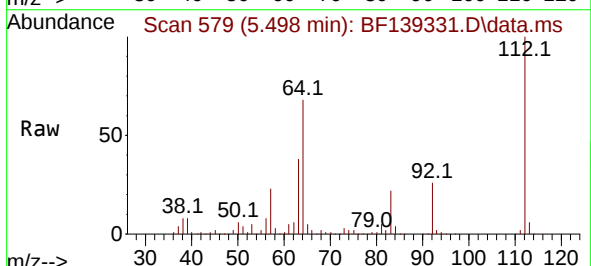
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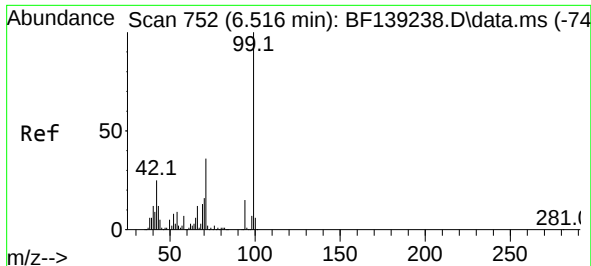
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#5
2-Fluorophenol
Concen: 48.634 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

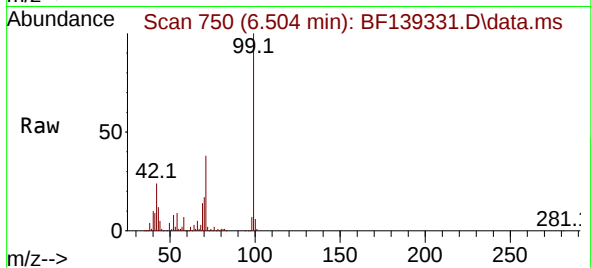
Tgt Ion:112 Resp: 344896
Ion Ratio Lower Upper
112 100
64 68.1 55.0 82.4
63 37.8 29.9 44.9





#7
Phenol-d6
Concen: 47.981 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

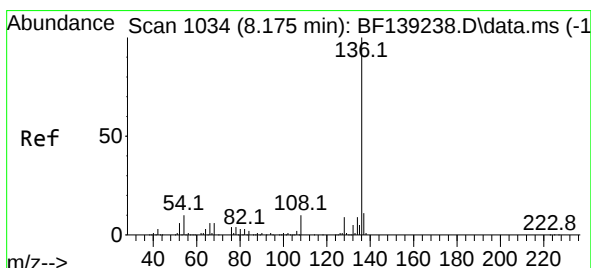
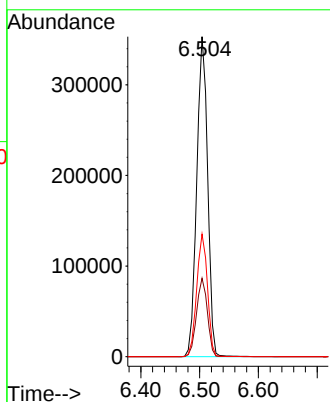
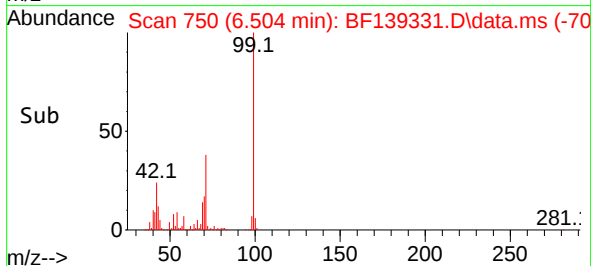
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 454248
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 38.3 28.8 43.2

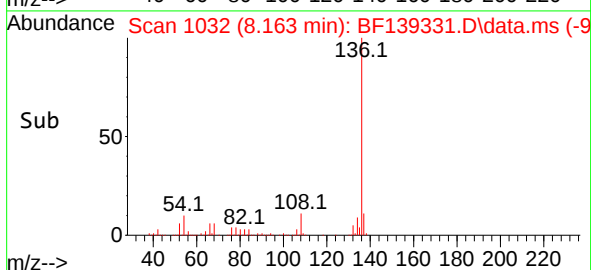
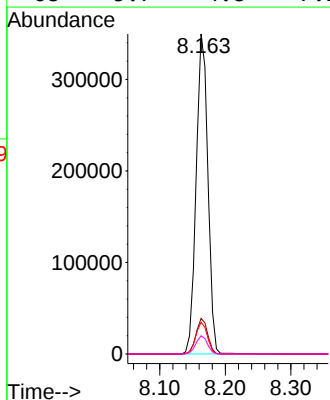
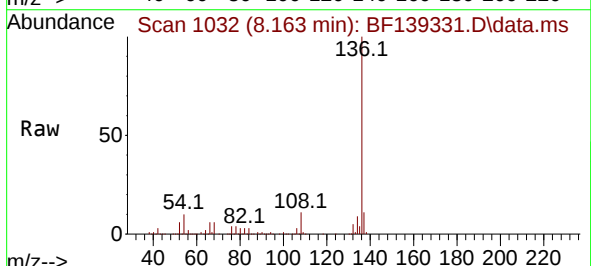
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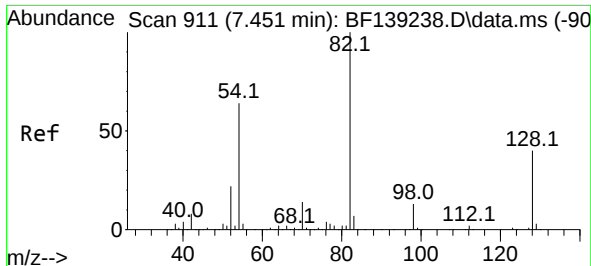
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Tgt Ion:136 Resp: 435391
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.9 8.4 12.6
68 5.7 4.8 7.2





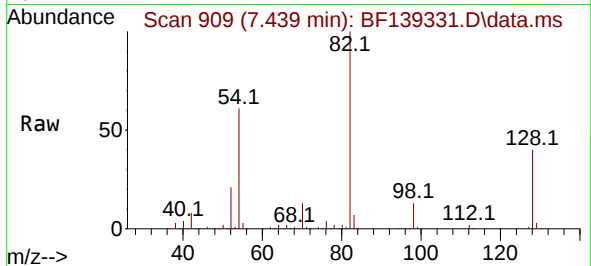
#23
Nitrobenzene-d5
Concen: 35.674 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

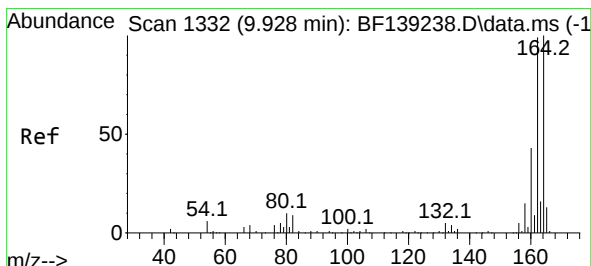
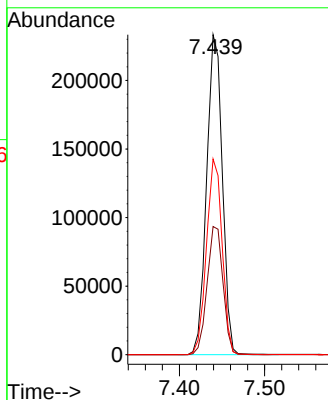
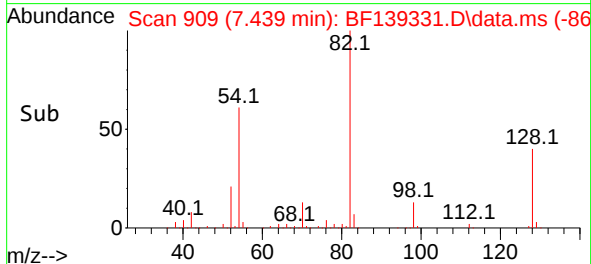


Tgt Ion: 82 Resp: 298564
Ion Ratio Lower Upper
82 100
128 40.1 32.3 48.5
54 61.2 51.2 76.8

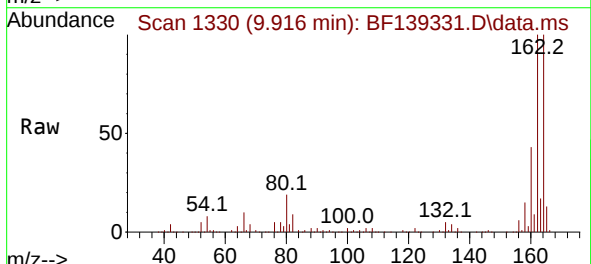
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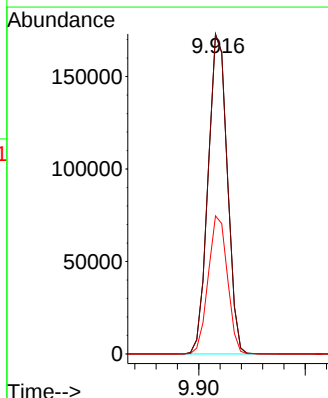
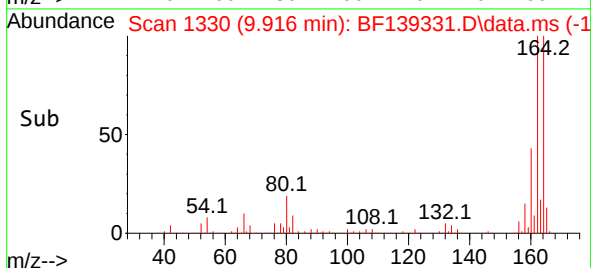
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024

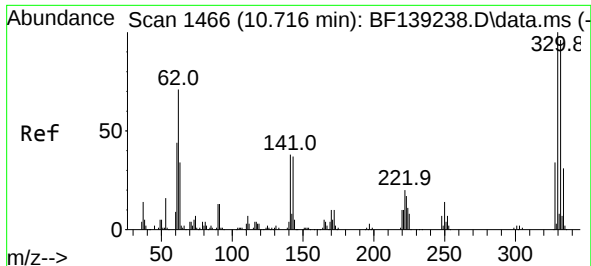


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44



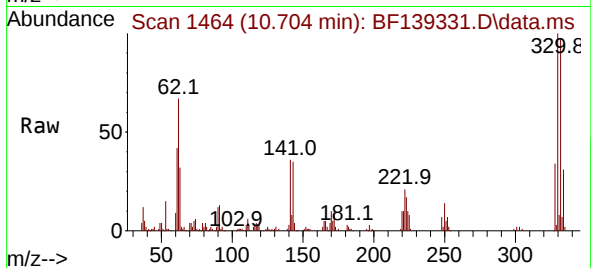
Tgt Ion:164 Resp: 216228
Ion Ratio Lower Upper
164 100
162 99.9 79.2 118.8
160 43.2 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 46.943 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

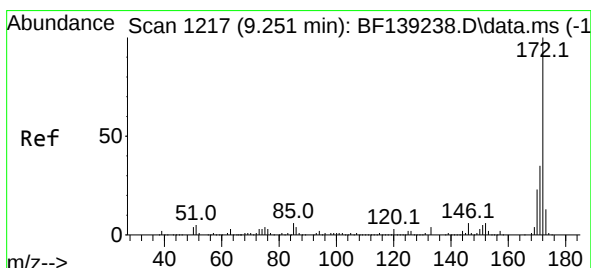
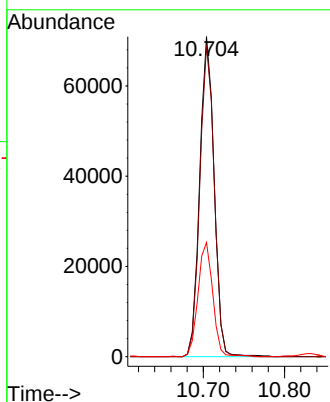
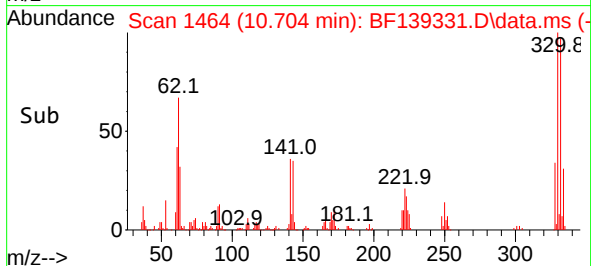
Instrument :
BNA_F
ClientSampleId :
TP-3BDL



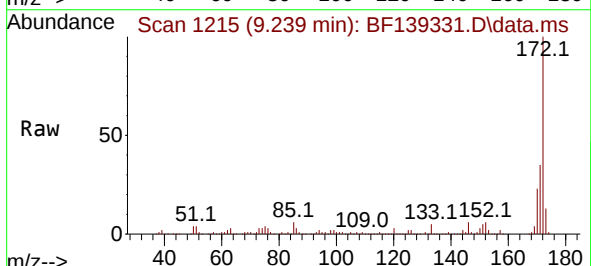
Tgt Ion: 330 Resp: 87650
Ion Ratio Lower Upper
330 100
332 96.8 76.6 115.0
141 36.6 30.1 45.1

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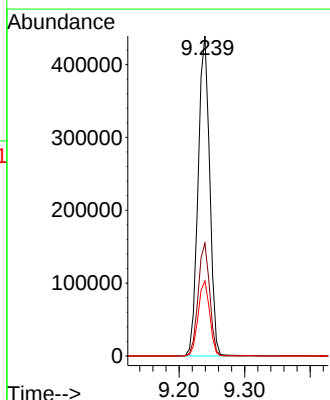
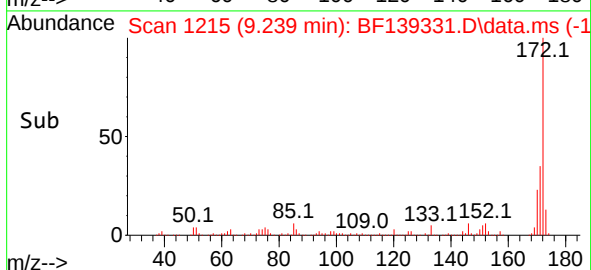
Reviewed By : Jagrut Upadhyay 09/12/2024
Supervised By : mohammad ahmed 09/13/2024

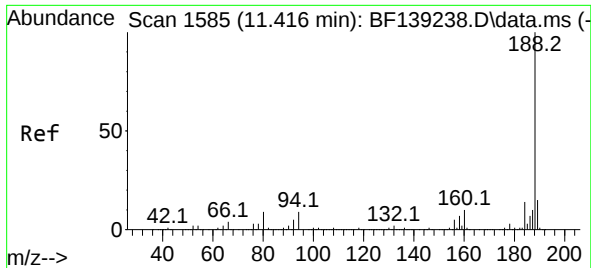


#45
2-Fluorobiphenyl
Concen: 38.605 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44



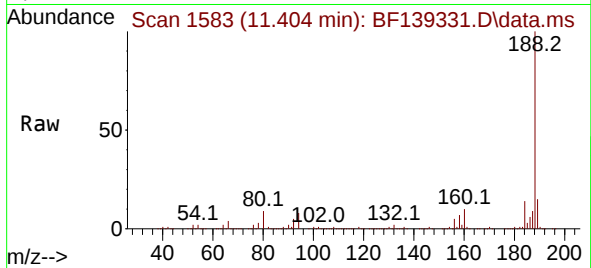
Tgt Ion: 172 Resp: 540766
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.5 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

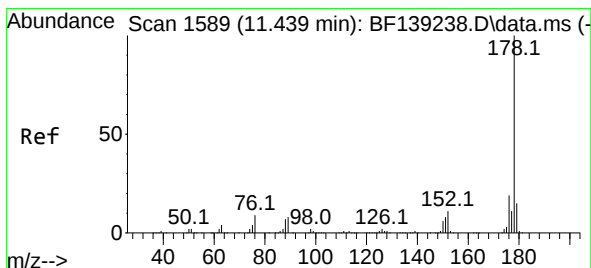
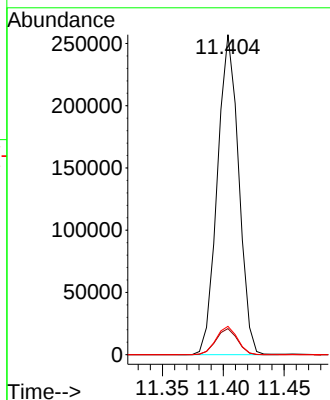
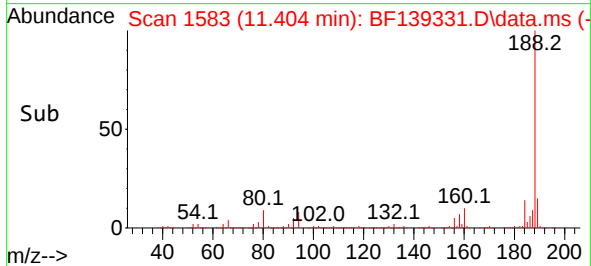
Instrument :
BNA_F
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TP-3BDL



Tgt Ion:188 Resp: 313238
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.4
80 8.9 7.3 10.9

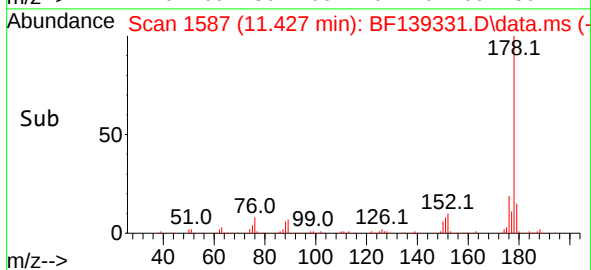
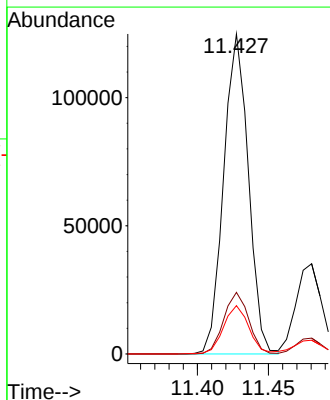
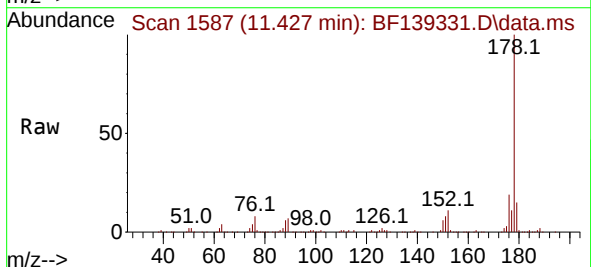
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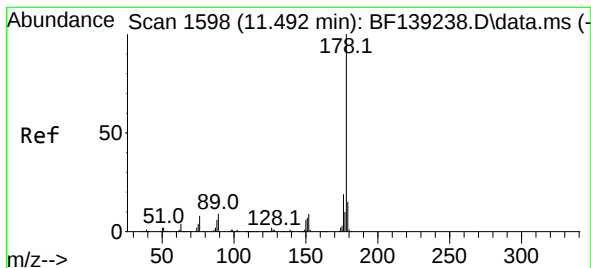
Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#71
Phenanthrene
Concen: 10.302 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF139331.D
Acq: 11 Sep 2024 17:44

Tgt Ion:178 Resp: 150748
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.1 12.3 18.5





#72

Anthracene

Concen: 3.091 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

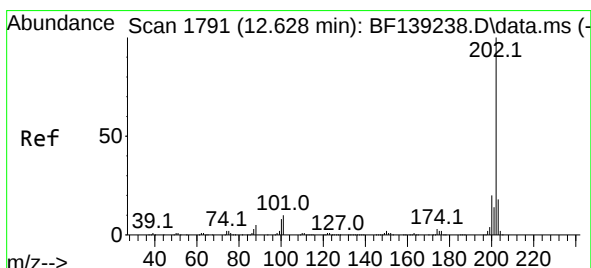
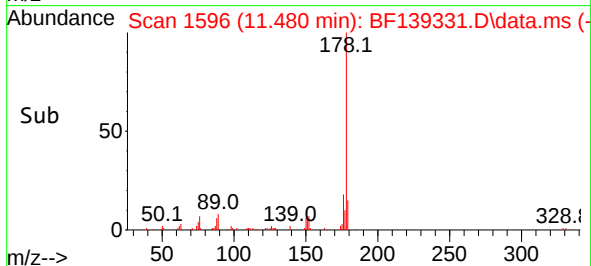
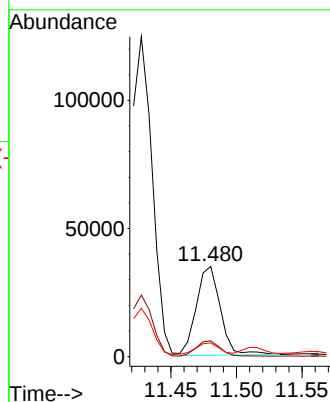
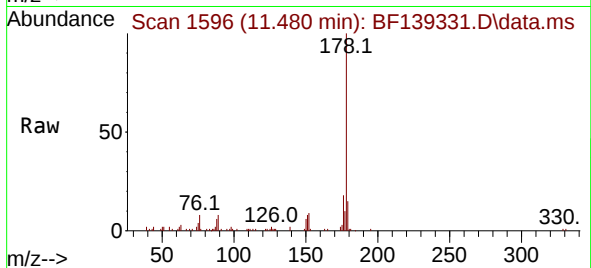
TP-3BDL

Tgt Ion:178	Resp:	44180
Ion Ratio	Lower	Upper
178	100	
176	17.5	15.0 22.4
179	15.3	12.3 18.5

Manual Integrations

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Supervised By :mohammad ahmed 09/13/2024



#75

Fluoranthene

Concen: 45.509 ng

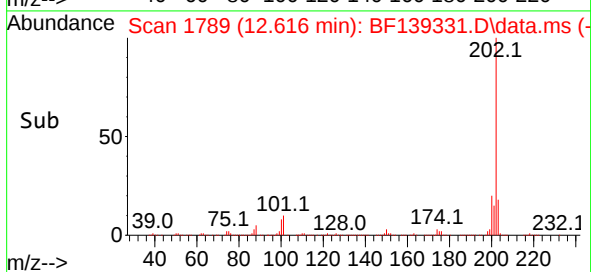
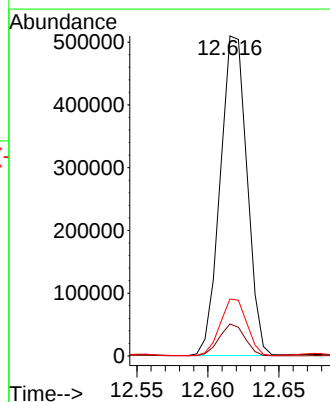
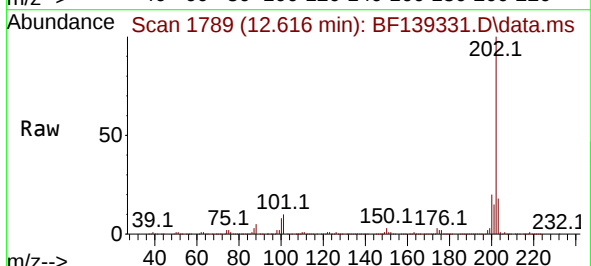
RT: 12.616 min Scan# 1789

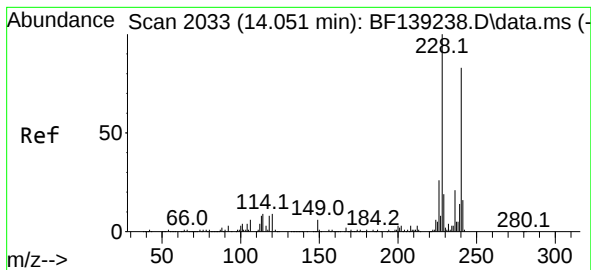
Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Tgt Ion:202	Resp:	667637
Ion Ratio	Lower	Upper
202	100	
101	10.0	0.0 29.9
203	17.8	0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

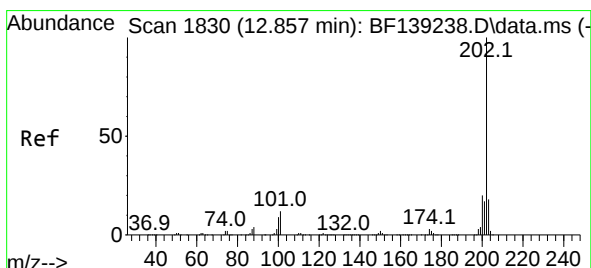
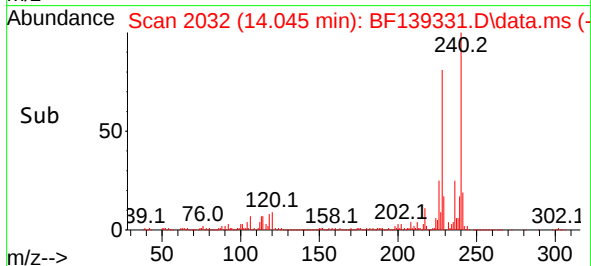
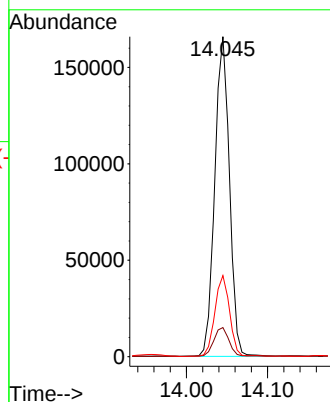
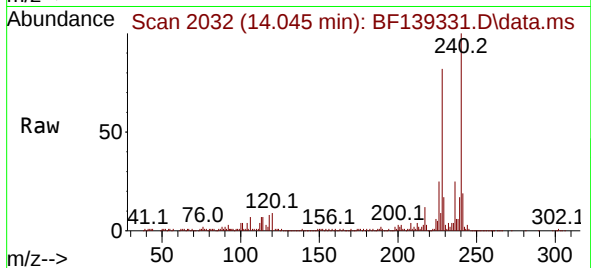
TP-3BDL

Tgt Ion:	240	Resp:	207850
Ion Ratio	Lower	Upper	
240	100		
120	9.1	8.6	12.8
236	25.3	20.7	31.1

Manual Integrations

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Supervised By :mohammad ahmed 09/13/2024



#78

Pyrene

Concen: 31.962 ng

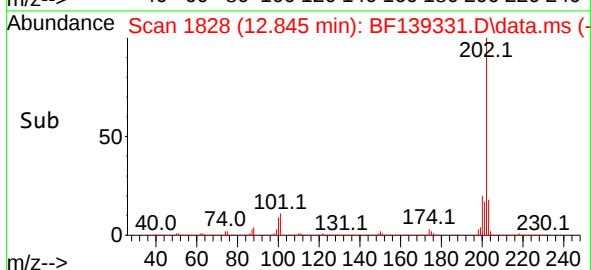
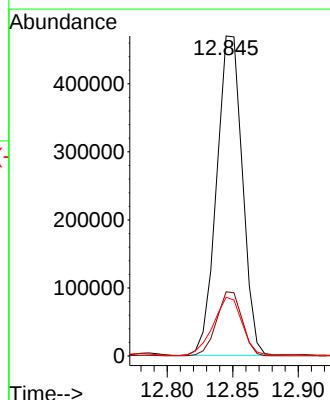
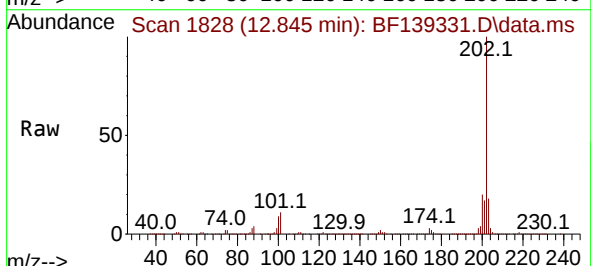
RT: 12.845 min Scan# 1828

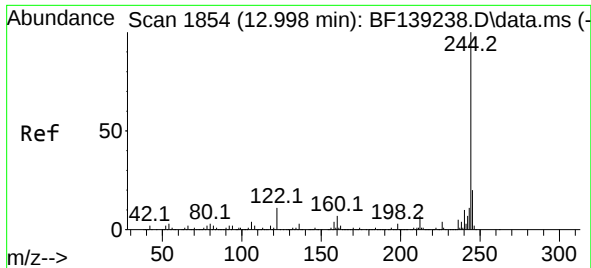
Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

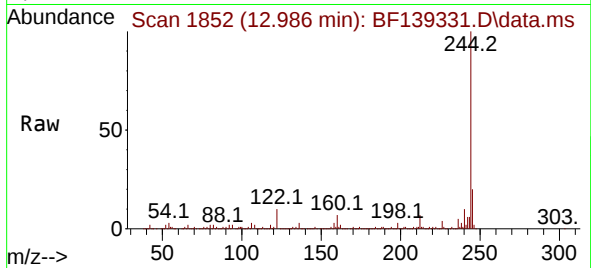
Tgt Ion:	202	Resp:	641771
Ion Ratio	Lower	Upper	
202	100		
200	20.0	15.8	23.8
203	18.4	14.1	21.1





#79
 Terphenyl-d14
 Concen: 29.245 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.012 min
 Lab File: BF139331.D
 Acq: 11 Sep 2024 17:44

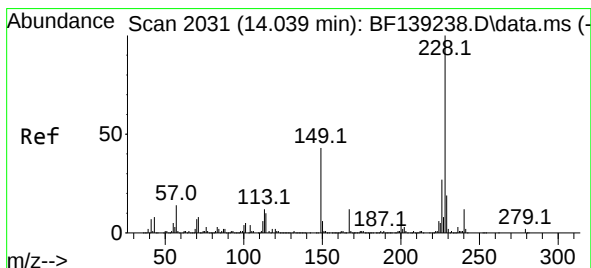
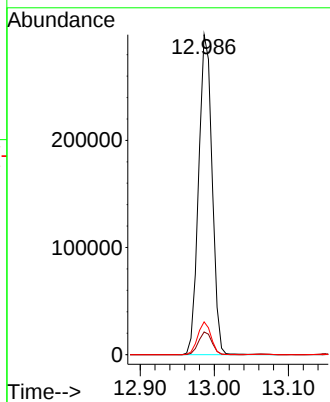
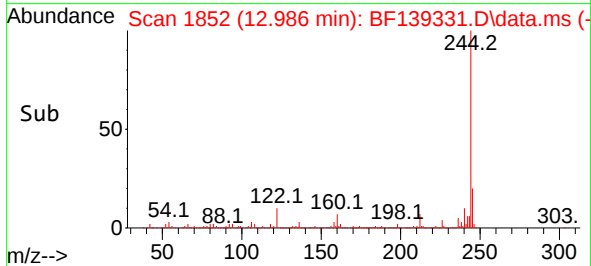
Instrument :
 BNA_F
 ClientSampleId :
 TP-3BDL



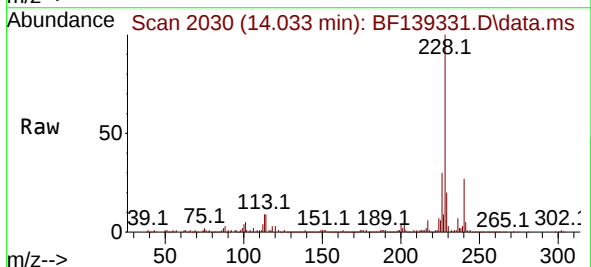
Tgt Ion:244 Resp: 376494
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.3 8.7 13.1

Manual Integrations
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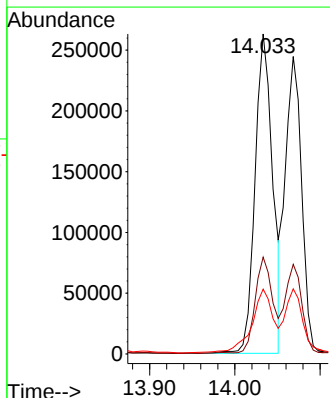
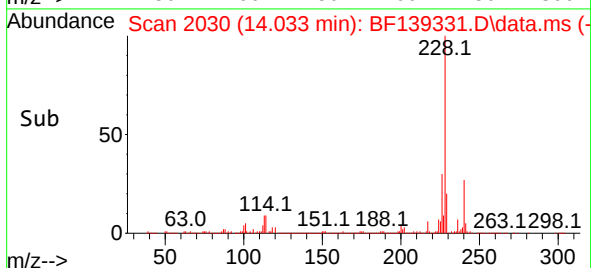
Reviewed By :Jagrut Upadhyay 09/12/2024
 Supervised By :mohammad ahmed 09/13/2024

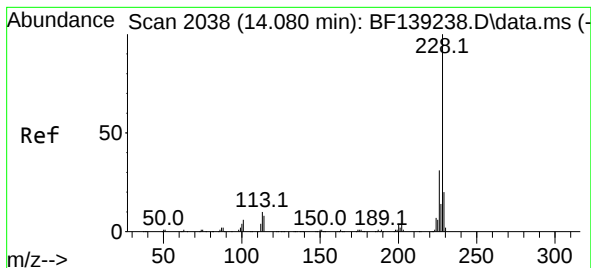


#81
 Benzo(a)anthracene
 Concen: 28.459 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF139331.D
 Acq: 11 Sep 2024 17:44



Tgt Ion:228 Resp: 377725
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.5 32.3
 229 20.3 15.6 23.4





#83

Chrysene

Concen: 26.059 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

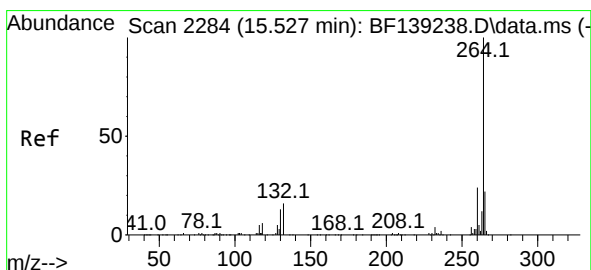
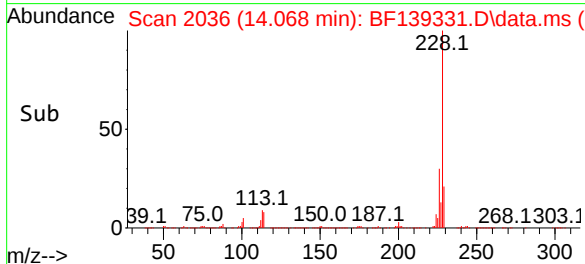
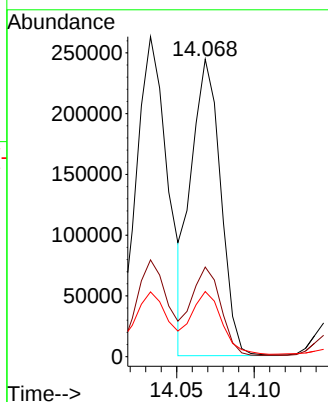
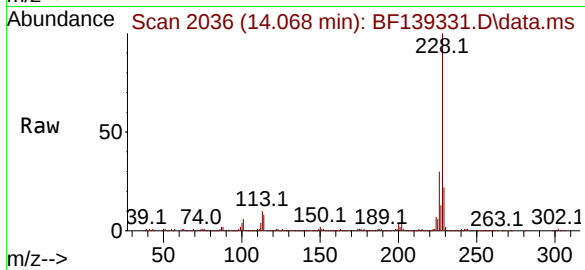
TP-3BDL

Tgt Ion:228	Resp: 32280
Ion Ratio	Lower Upper
228 100	
226 30.1	23.8 35.8
229 21.9	15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#86

Perylene-d12

Concen: 20.000 ng

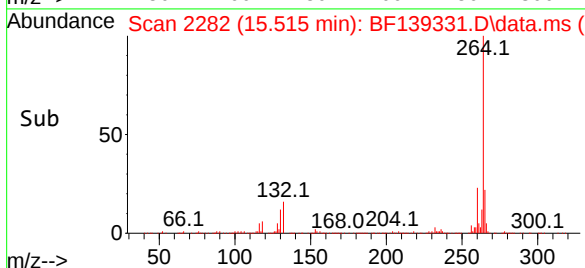
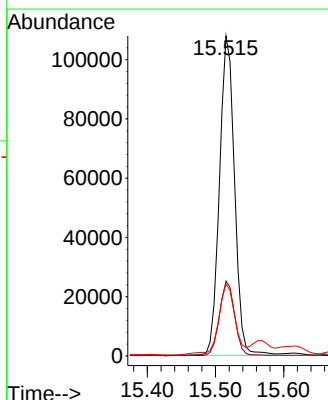
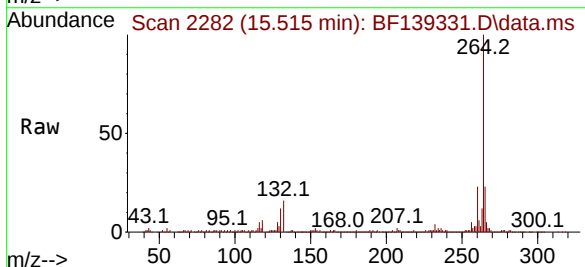
RT: 15.515 min Scan# 2282

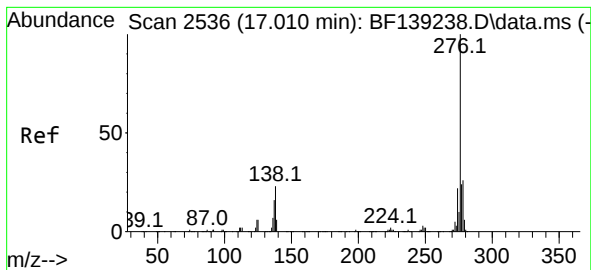
Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Tgt Ion:264	Resp: 166105
Ion Ratio	Lower Upper
264 100	
260 23.4	18.8 28.2
265 22.5	17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.668 ng

RT: 16.986 min Scan# 2109

Delta R.T. -0.024 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

Tgt Ion:276 Resp: 14183

Ion Ratio Lower Upper

276 100

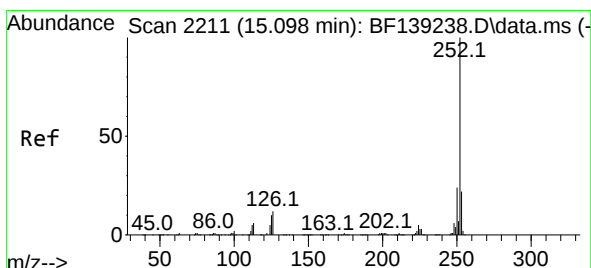
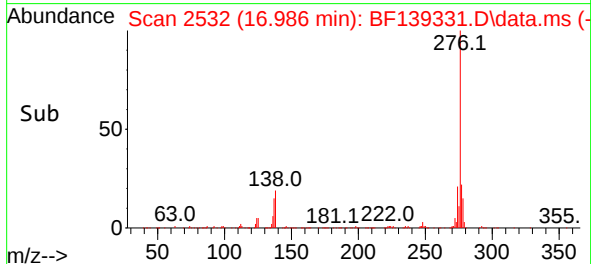
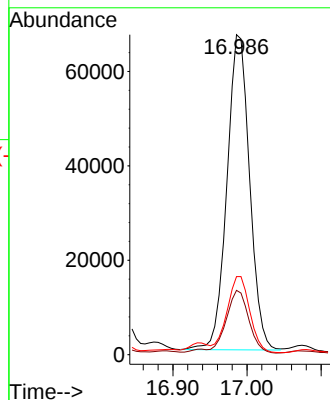
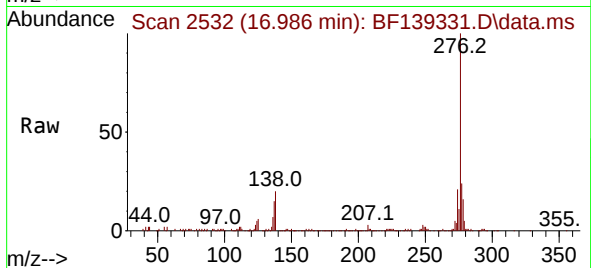
138 20.6 20.4 30.6

277 24.2 20.3 30.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#88

Benzo(b)fluoranthene

Concen: 41.346 ng m

RT: 15.086 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

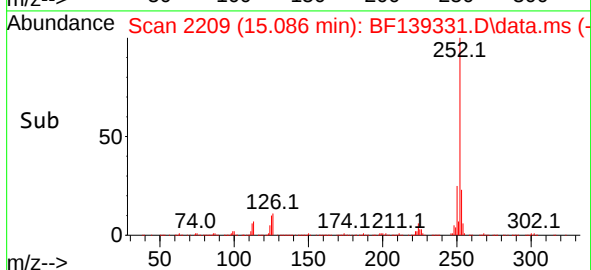
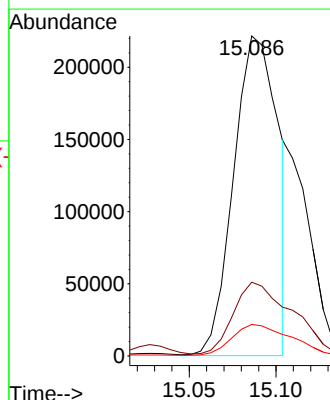
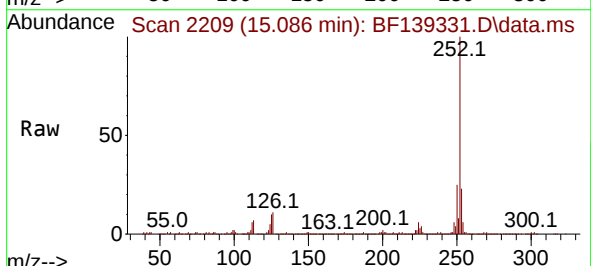
Tgt Ion:252 Resp: 395508

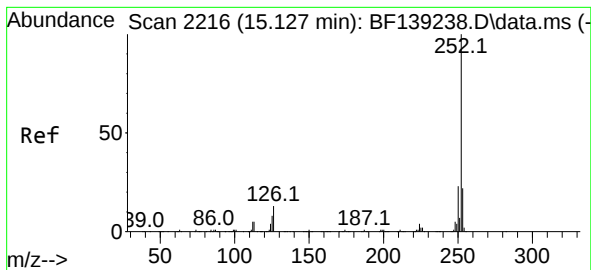
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.9 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 15.478 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

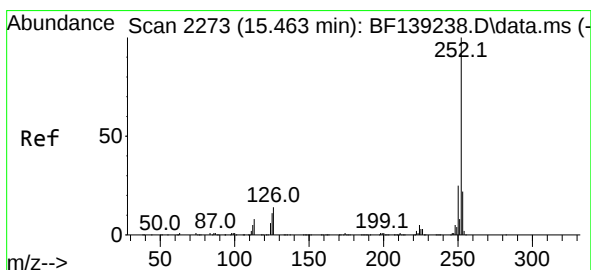
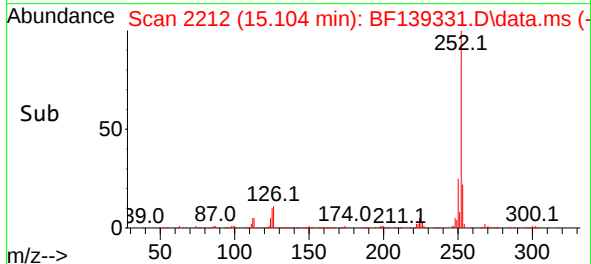
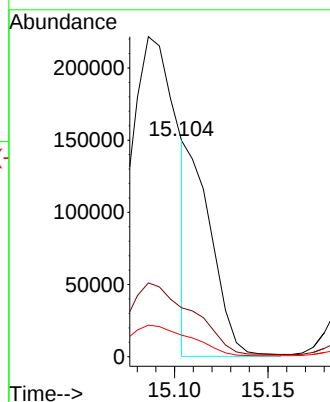
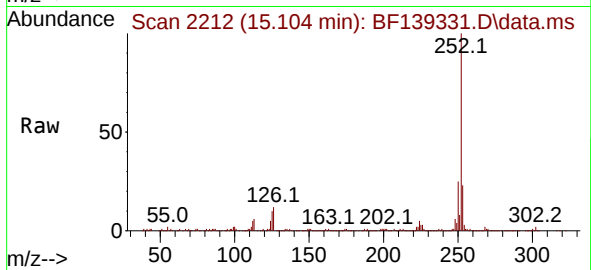
TP-3BDL

Tgt Ion:252 Resp: 132752
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.6 26.4
 125 10.0 7.2 10.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/12/2024
 Supervised By :mohammad ahmed 09/13/2024



#90

Benzo(a)pyrene

Concen: 31.182 ng

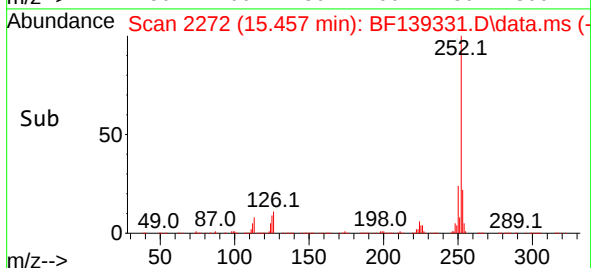
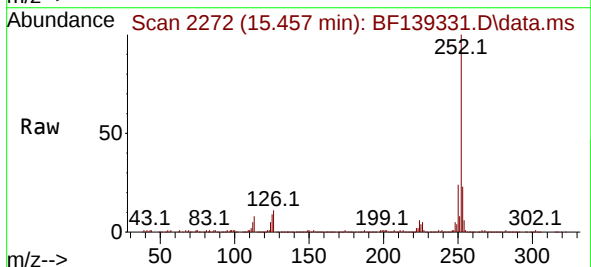
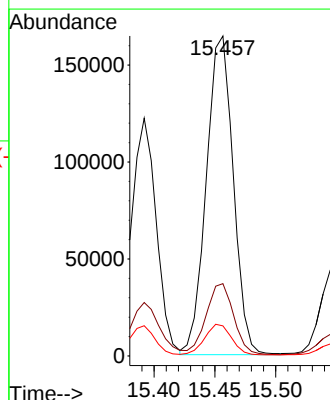
RT: 15.457 min Scan# 2272

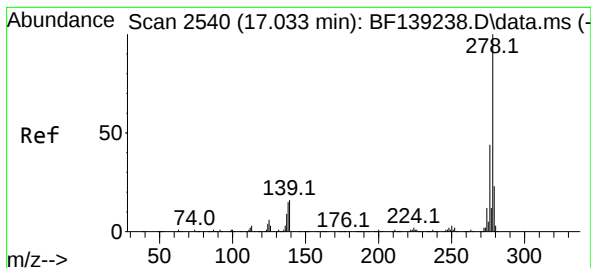
Delta R.T. -0.006 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Tgt Ion:252 Resp: 253287
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 9.4 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 3.887 ng m

RT: 16.998 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Instrument :

BNA_F

ClientSampleId :

TP-3BDL

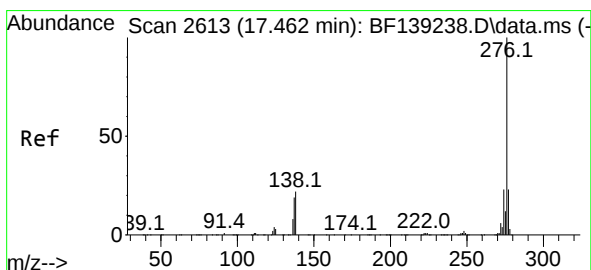
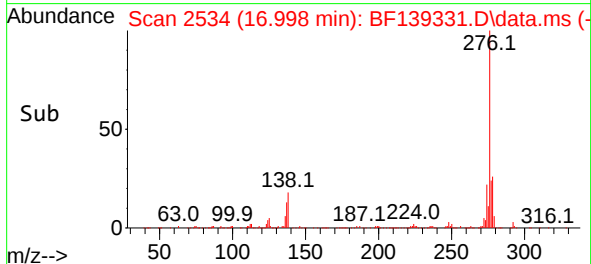
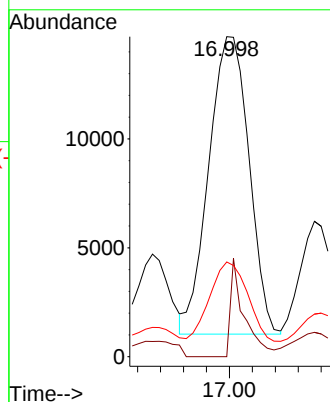
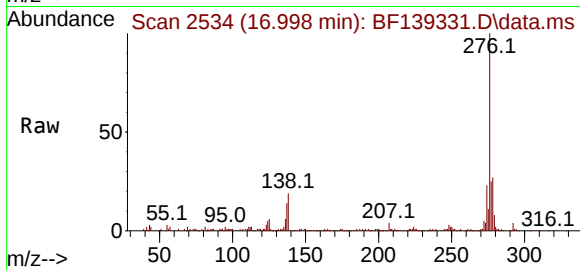
Tgt Ion:278 Resp: 3324

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0
279	29.6	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/12/2024
Supervised By :mohammad ahmed 09/13/2024



#92

Benzo(g,h,i)perylene

Concen: 15.045 ng

RT: 17.433 min Scan# 2608

Delta R.T. -0.030 min

Lab File: BF139331.D

Acq: 11 Sep 2024 17:44

Tgt Ion:276 Resp: 132804

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	27.8
138	20.6	17.4	26.0

