

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134328.D
 Acq On : 17 Jul 2023 22:04
 Operator : CG\JU
 Sample : 03597-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(5-7)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 18 01:17:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	67991	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	241954	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	104811	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	180895	20.000	ng	0.00
76) Chrysene-d12	14.033	240	112535	20.000	ng	0.00
86) Perylene-d12	15.539	264	92246	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	374532	92.145	ng	0.00
7) Phenol-d6	6.481	99	435105	87.045	ng	0.00
23) Nitrobenzene-d5	7.398	82	282780	63.001	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	110939	84.421	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	503320	69.818	ng	-0.01
79) Terphenyl-d14	12.968	244	496913	71.066	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	31067	2.658	ng	98
37) 2-Methylnaphthalene	8.827	142	43485	5.262	ng	97
38) 1-Methylnaphthalene	8.927	142	41109	5.351	ng	99
52) Acenaphthene	9.904	154	83485	13.692	ng	99
55) Dibenzofuran	10.080	168	22475	2.358	ng	# 87
58) Fluorene	10.422	166	69325	9.351	ng	# 97
71) Phenanthrene	11.404	178	1244309	136.639	ng	99
72) Anthracene	11.445	178	201941	21.320	ng	99
75) Fluoranthene	12.598	202	701953	71.300	ng	98
78) Pyrene	12.833	202	1035833	98.906	ng	100
81) Benzo(a)anthracene	14.021	228	311555	39.920	ng	99
83) Chrysene	14.062	228	289093	38.244	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	55861	8.727	ng	# 90
88) Benzo(b)fluoranthene	15.098	252	164468m	30.322	ng	
89) Benzo(k)fluoranthene	15.121	252	46921m	8.496	ng	
90) Benzo(a)pyrene	15.474	252	129688	24.726	ng	97
91) Dibenzo(a,h)anthracene	17.092	278	17408	3.330	ng	96
92) Benzo(g,h,i)perylene	17.550	276	55263	10.250	ng	97

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

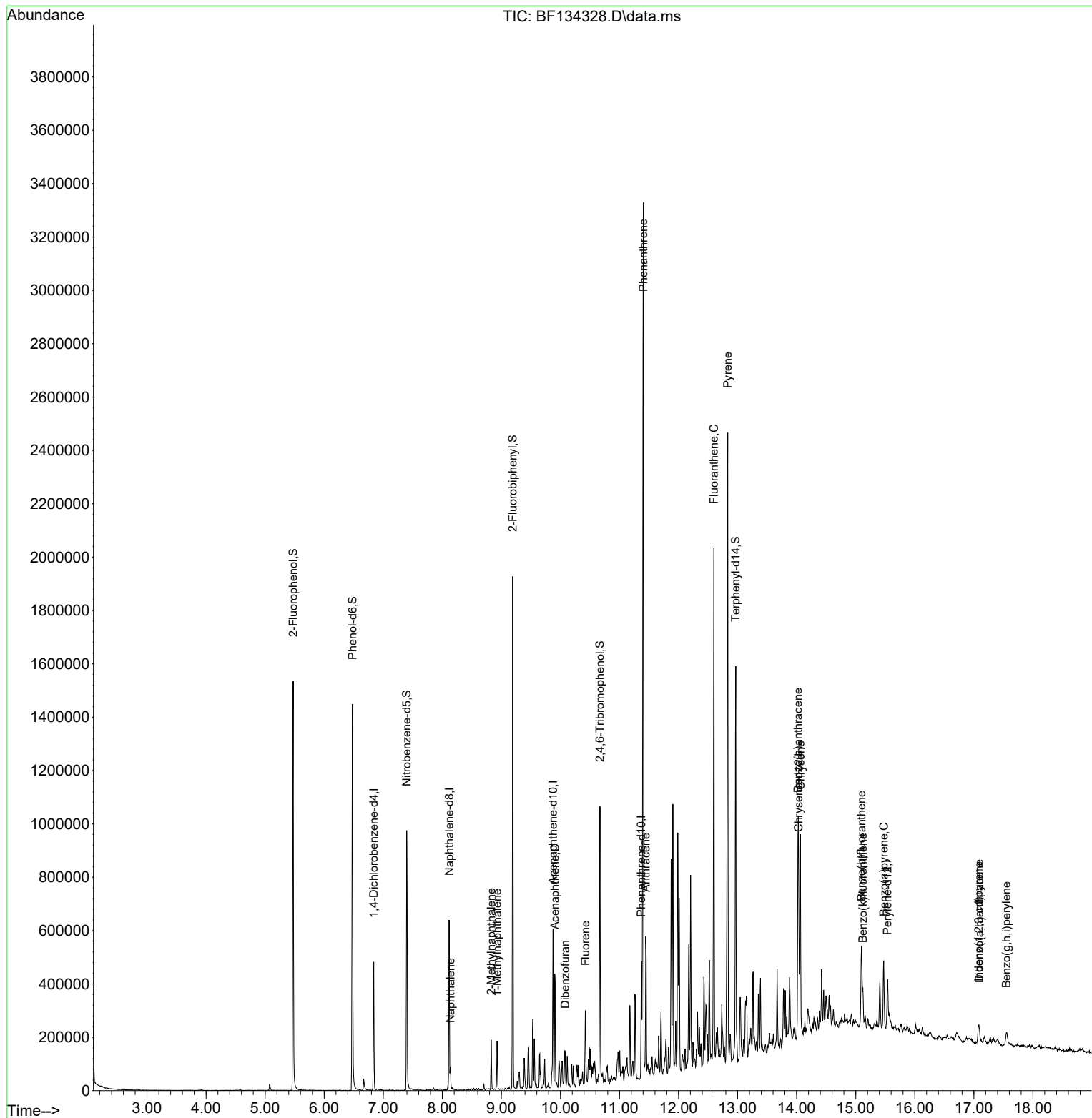
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
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ALS Vial : 15 Sample Multiplier: 1

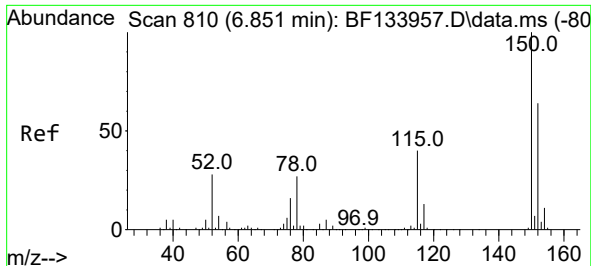
Instrument :
BNA_F
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RB-42-(5-7)

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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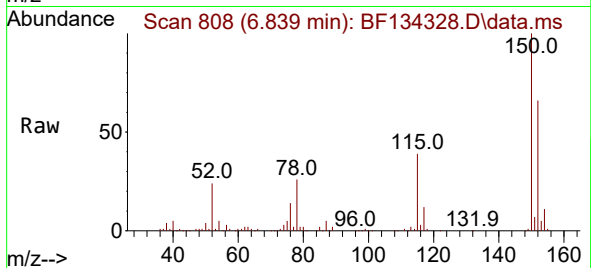
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

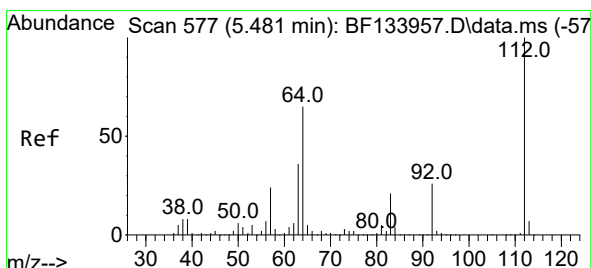
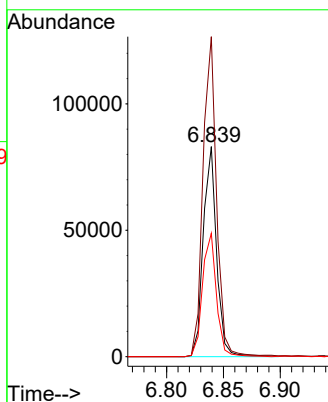
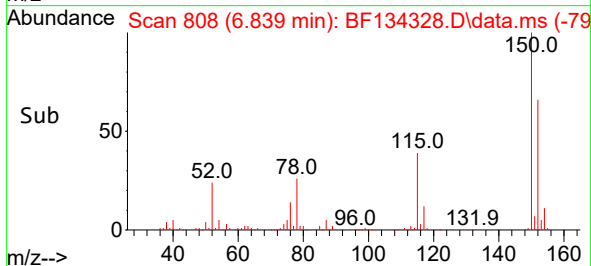
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)



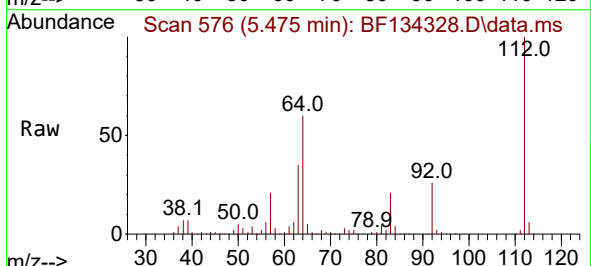
Tgt Ion:152 Resp: 6799
Ion Ratio Lower Upper
152 100
150 152.3 124.5 186.7
115 58.7 50.2 75.2

Manual Integrations
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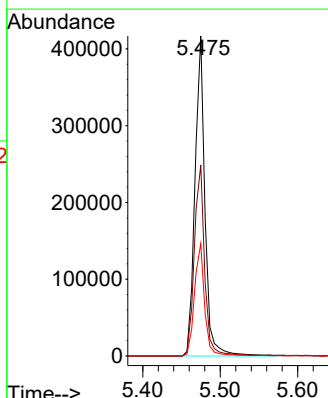
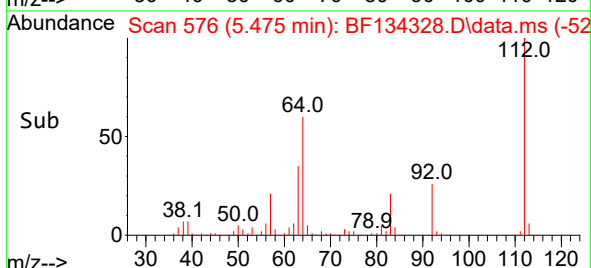
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

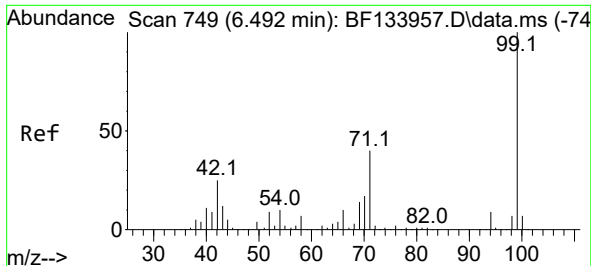


#5
2-Fluorophenol
Concen: 92.145 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04



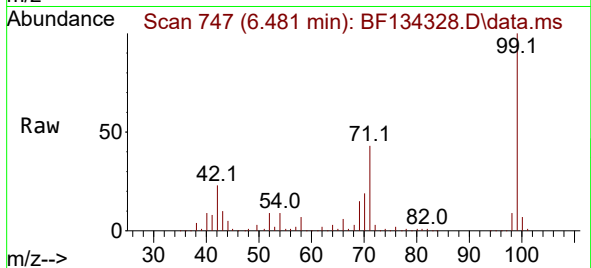
Tgt Ion:112 Resp: 374532
Ion Ratio Lower Upper
112 100
64 59.7 52.1 78.1
63 35.1 28.6 42.8





#7
Phenol-d6
Concen: 87.045 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

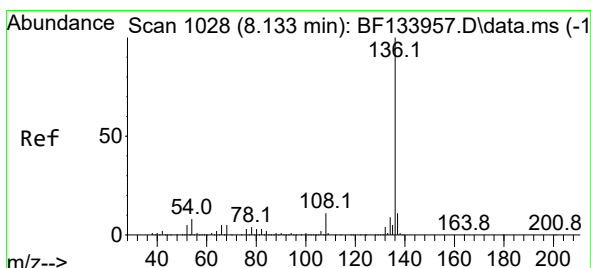
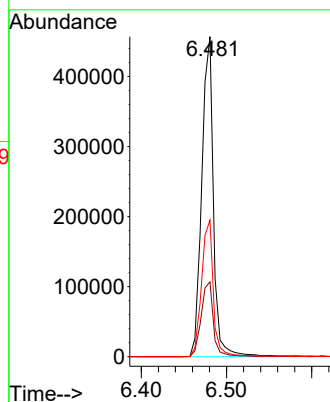
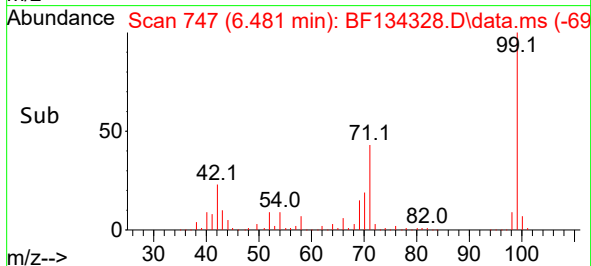
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)



Tgt Ion: 99 Resp: 43510
Ion Ratio Lower Upper
99 100
42 23.4 19.8 29.6
71 42.7 31.9 47.9

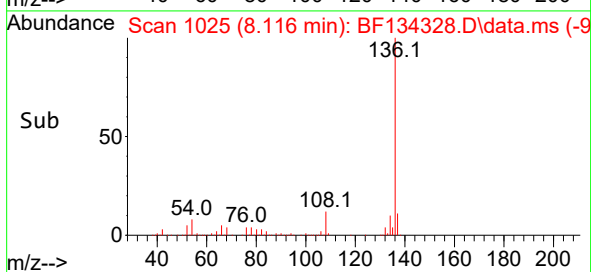
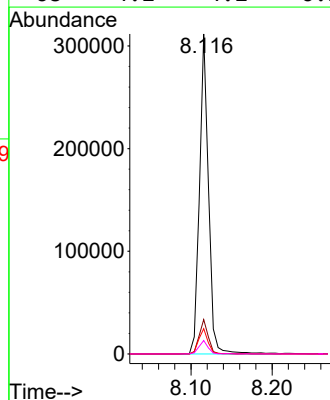
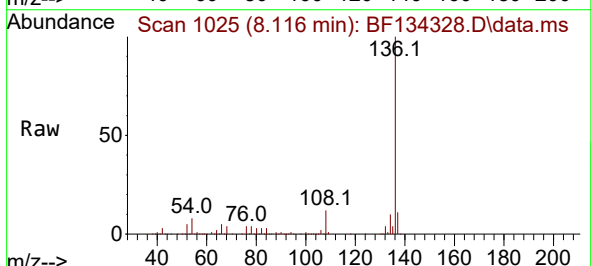
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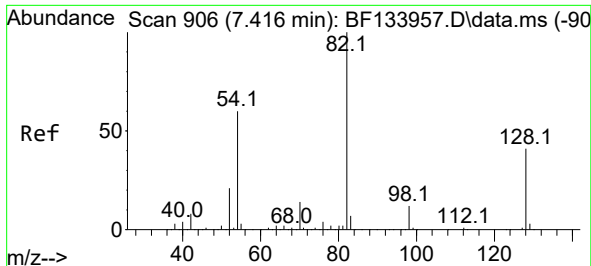
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

Tgt Ion:136 Resp: 241954
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.9 6.5 9.7
68 4.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 63.001 ng

RT: 7.398 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF134328.D

Acq: 17 Jul 2023 22:04

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)

Tgt Ion: 82 Resp: 282780

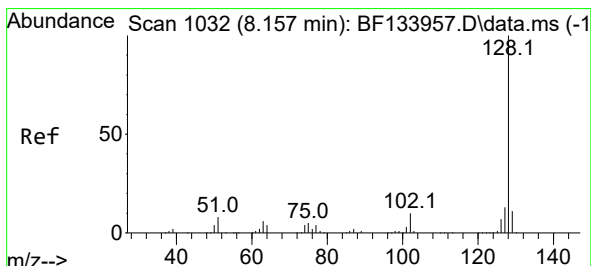
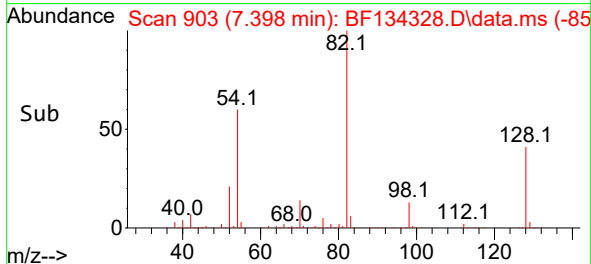
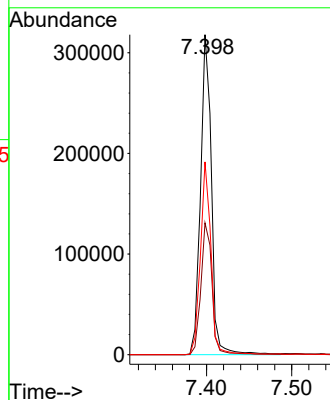
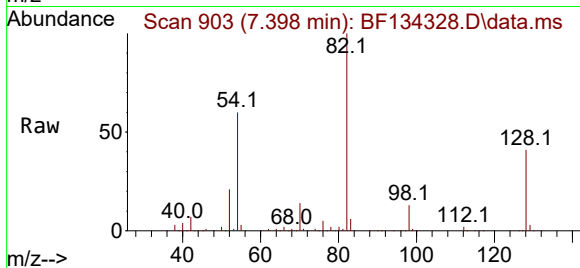
Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.5	48.7
54	60.2	48.2	72.2

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2023



#31

Naphthalene

Concen: 2.658 ng

RT: 8.139 min Scan# 1029

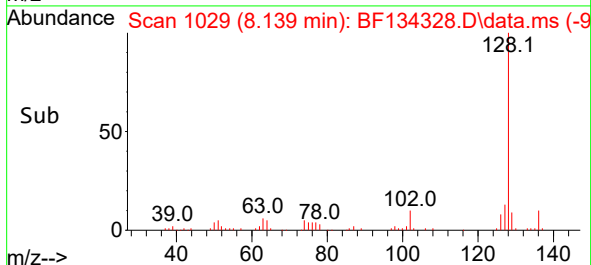
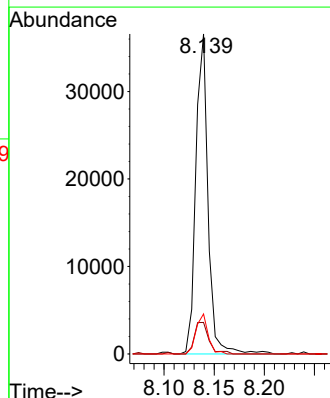
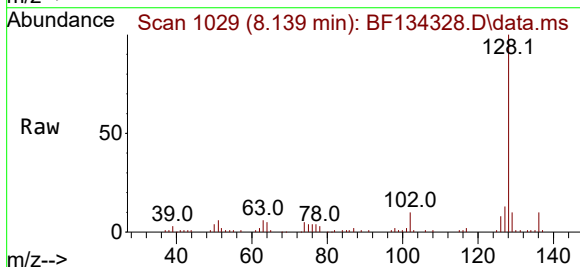
Delta R.T. -0.006 min

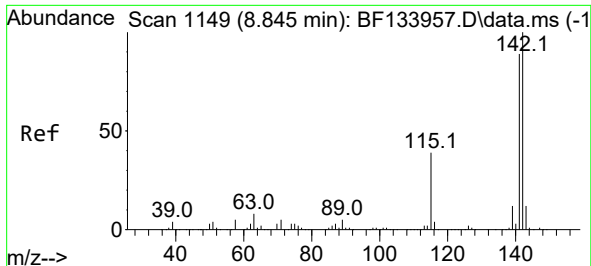
Lab File: BF134328.D

Acq: 17 Jul 2023 22:04

Tgt Ion:128 Resp: 31067

Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.7	13.1
127	12.5	10.6	15.8





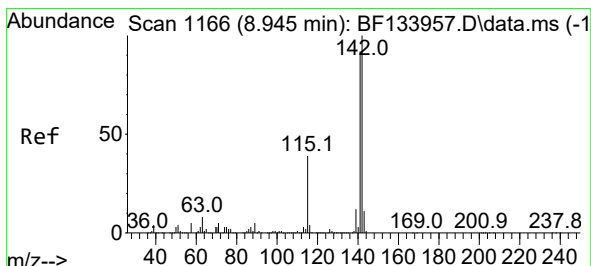
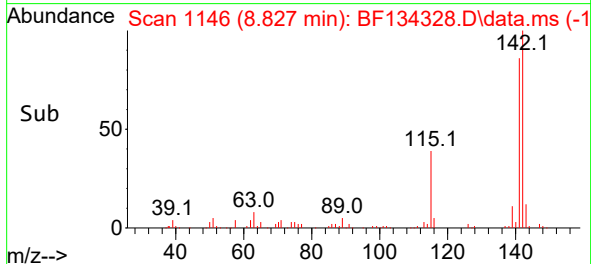
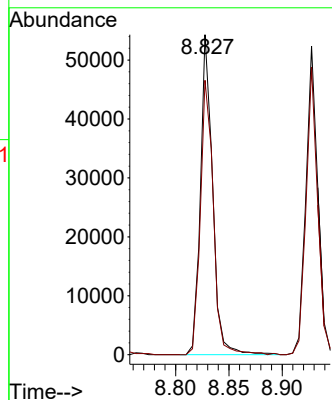
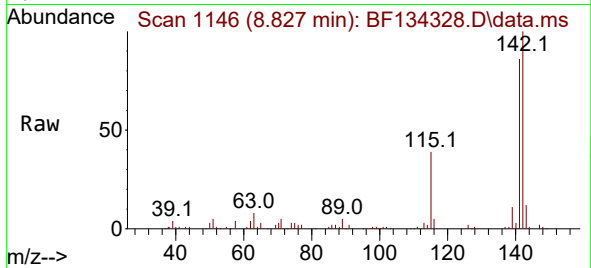
#37
2-Methylnaphthalene
Concen: 5.262 ng
RT: 8.827 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Tgt Ion:142 Resp: 4348
Ion Ratio Lower Upper
142 100
141 85.7 71.0 106.4

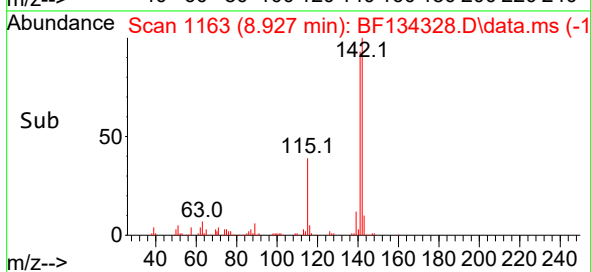
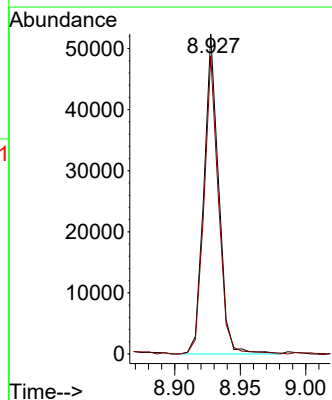
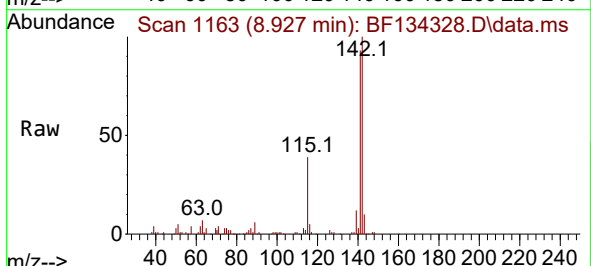
Manual Integrations
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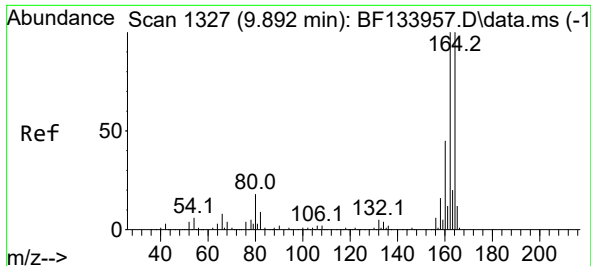
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#38
1-Methylnaphthalene
Concen: 5.351 ng
RT: 8.927 min Scan# 1163
Delta R.T. -0.012 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

Tgt Ion:142 Resp: 41109
Ion Ratio Lower Upper
142 100
141 93.2 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.874 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134328.D

Acq: 17 Jul 2023 22:04

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)

Tgt Ion:164 Resp: 10481

Ion Ratio Lower Upper

164 100

162 98.7 80.0 120.0

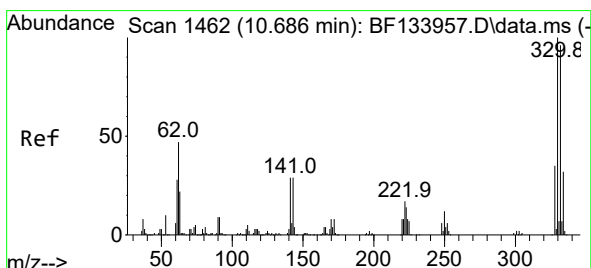
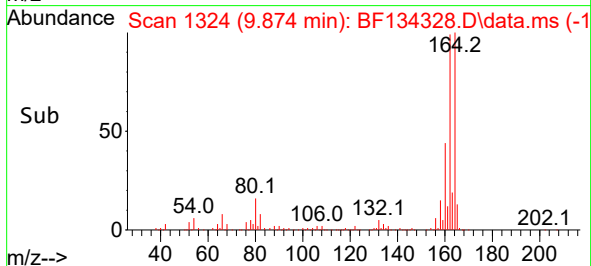
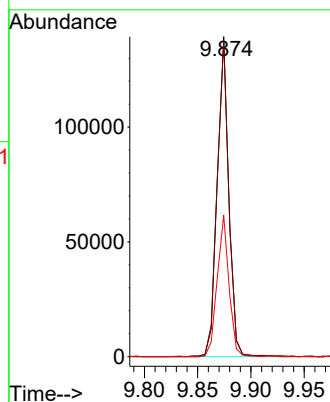
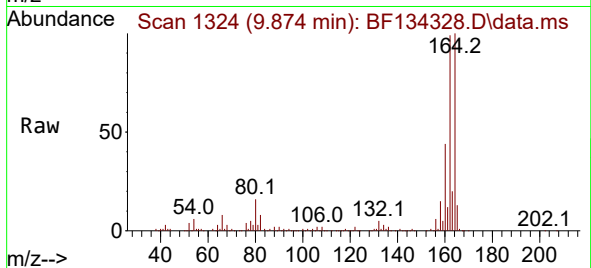
160 44.2 35.9 53.9

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2023



#42

2,4,6-Tribromophenol

Concen: 84.421 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.012 min

Lab File: BF134328.D

Acq: 17 Jul 2023 22:04

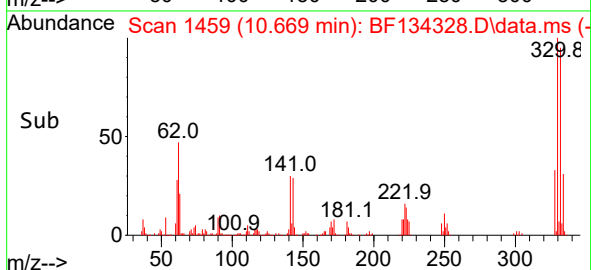
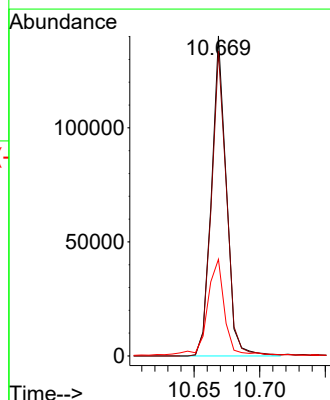
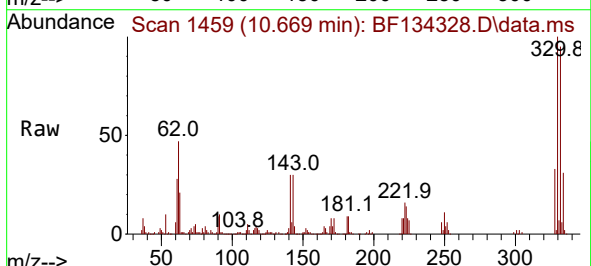
Tgt Ion:330 Resp: 110939

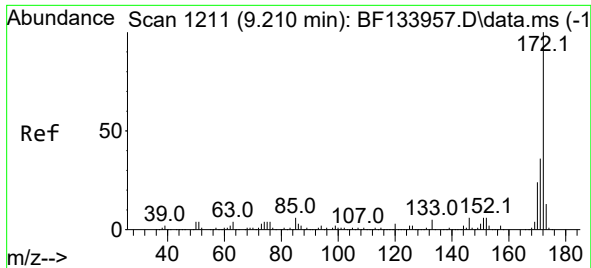
Ion Ratio Lower Upper

330 100

332 98.0 77.0 115.6

141 34.8 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 69.818 ng

RT: 9.192 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF134328.D

Acq: 17 Jul 2023 22:04

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)

Tgt Ion:172 Resp: 503320

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

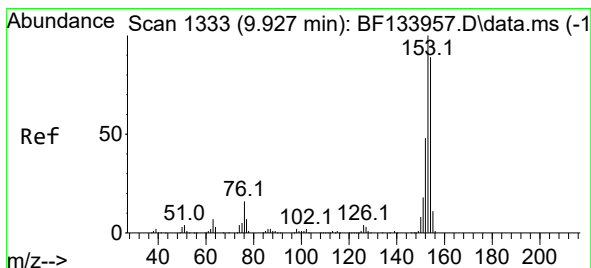
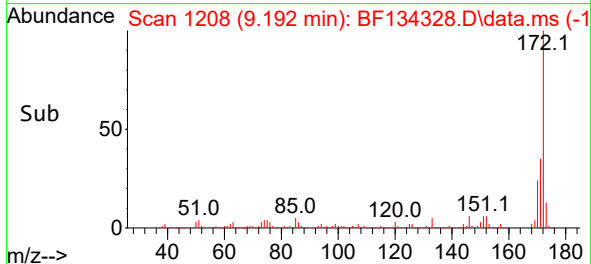
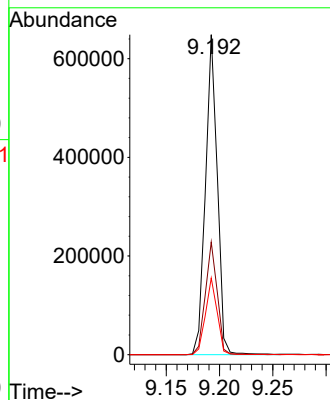
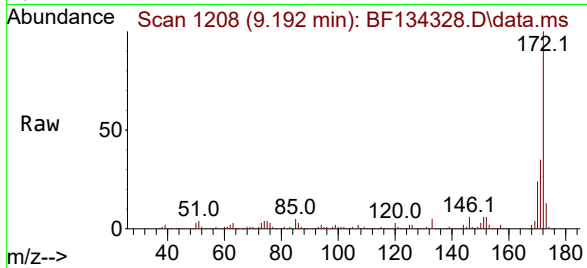
170 23.9 19.4 29.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#52

Acenaphthene

Concen: 13.692 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.012 min

Lab File: BF134328.D

Acq: 17 Jul 2023 22:04

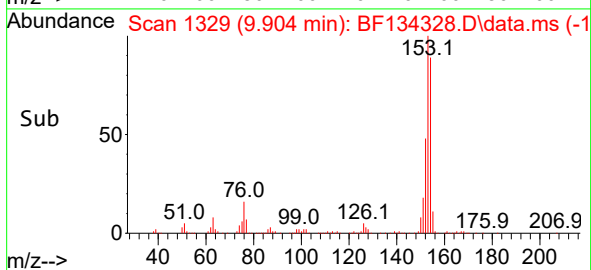
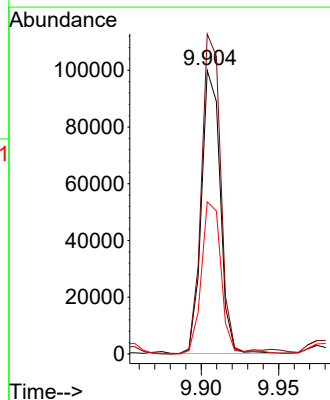
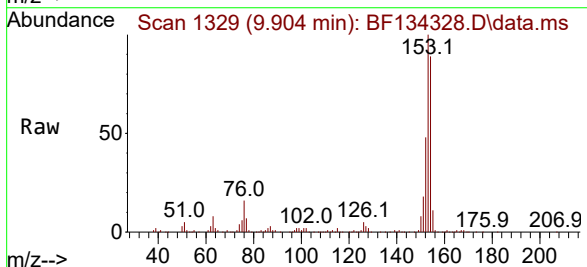
Tgt Ion:154 Resp: 83485

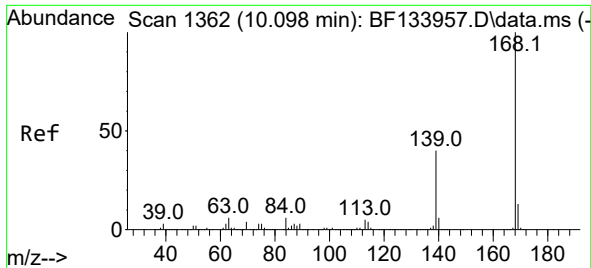
Ion Ratio Lower Upper

154 100

153 112.8 89.4 134.2

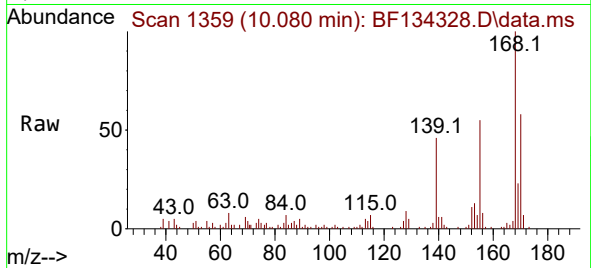
152 53.6 42.8 64.2





#55
Dibenzenofuran
Concen: 2.358 ng
RT: 10.080 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

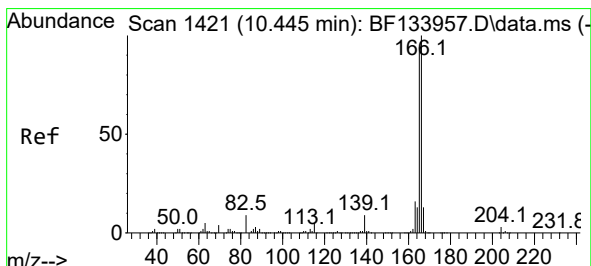
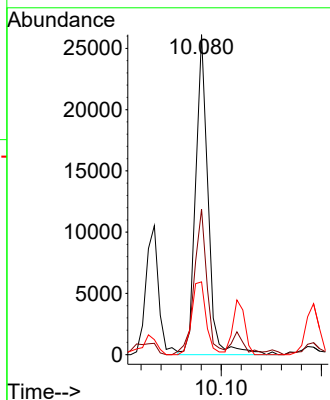
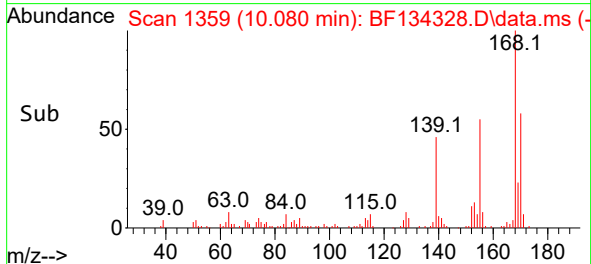
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)



Tgt Ion:168 Resp: 22475
Ion Ratio Lower Upper
168 100
139 45.5 32.0 48.0
169 22.8 10.6 16.0

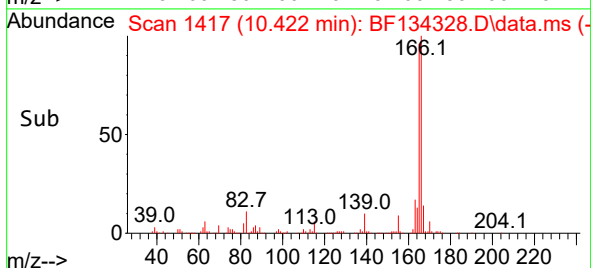
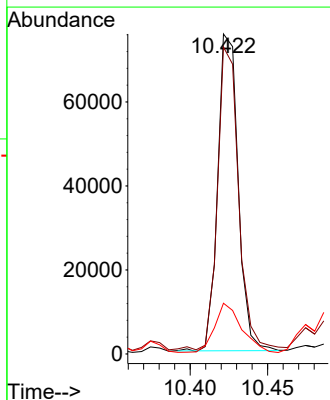
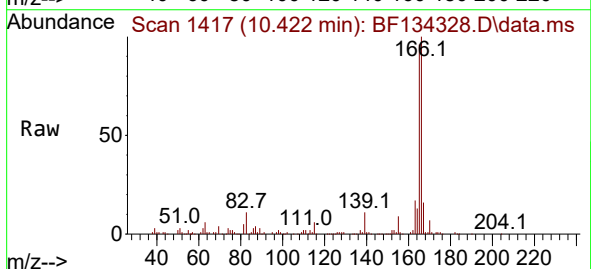
Manual Integrations
APPROVED

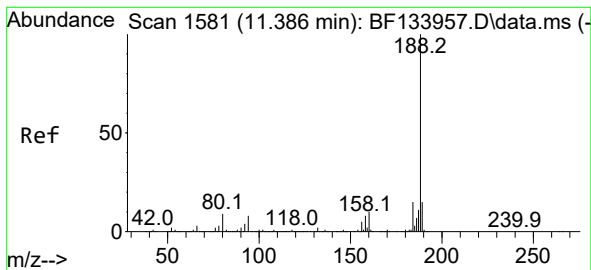
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#58
Fluorene
Concen: 9.351 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

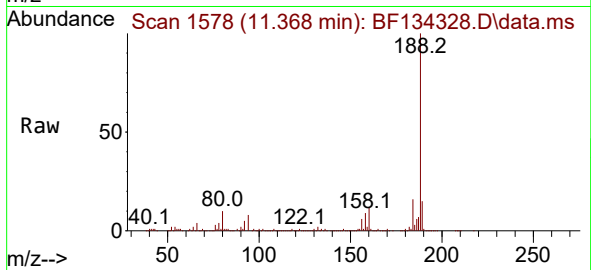
Tgt Ion:166 Resp: 69325
Ion Ratio Lower Upper
166 100
165 95.9 75.0 112.4
167 15.9 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

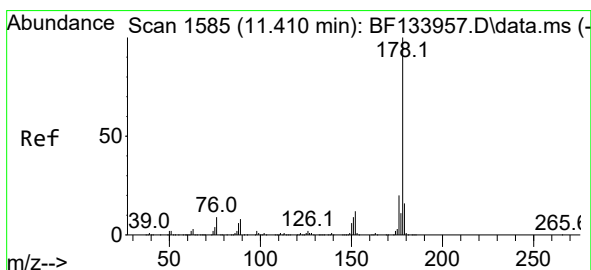
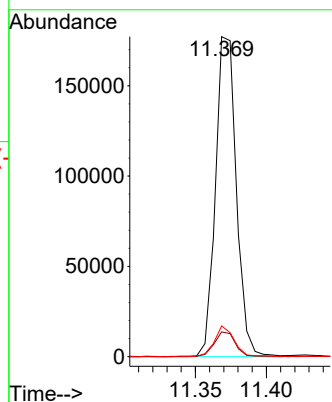
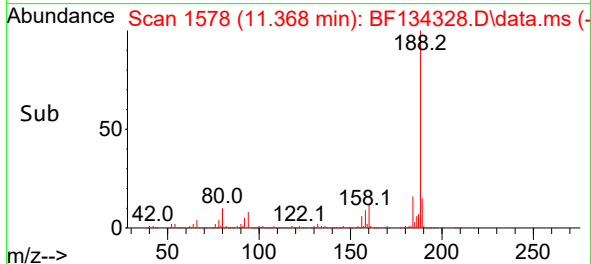
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)



Tgt Ion:188 Resp: 18089
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 9.6 7.3 10.9

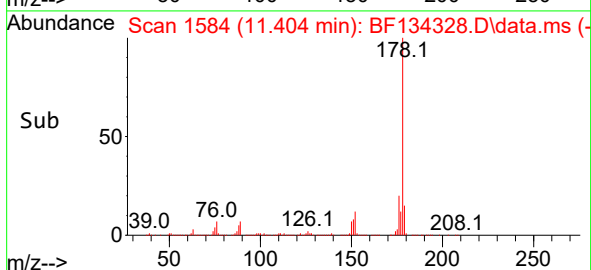
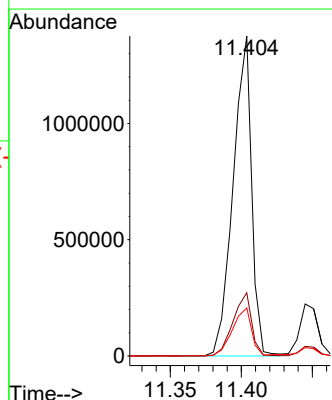
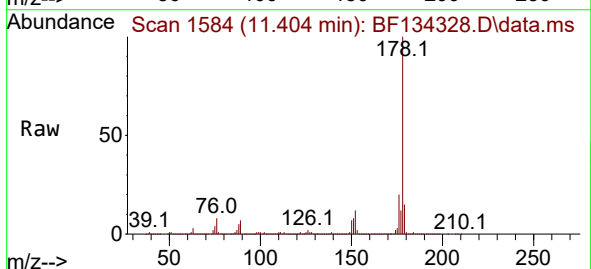
Manual Integrations
APPROVED

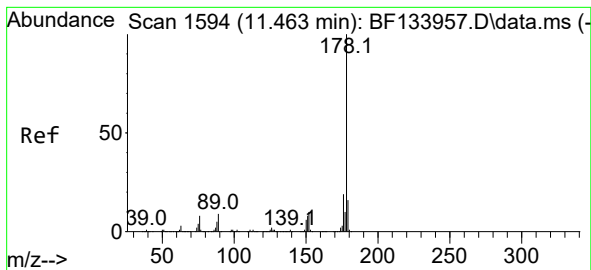
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 136.639 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

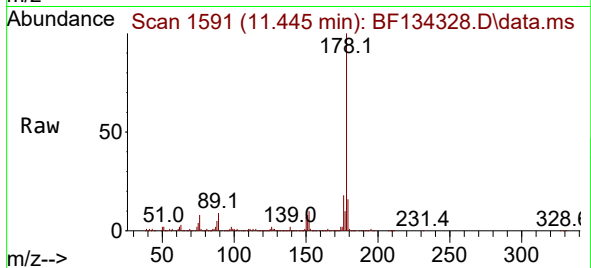
Tgt Ion:178 Resp: 1244309
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.0 12.4 18.6





#72
 Anthracene
 Concen: 21.320 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134328.D
 Acq: 17 Jul 2023 22:04

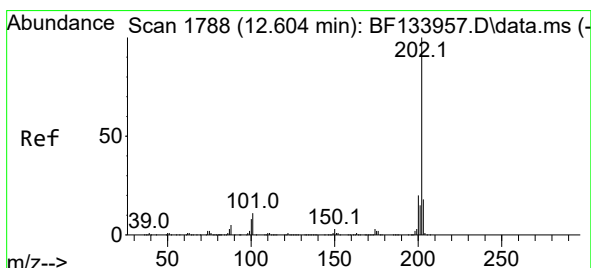
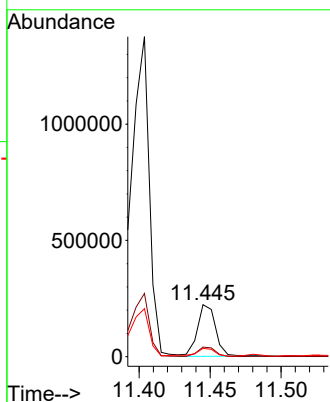
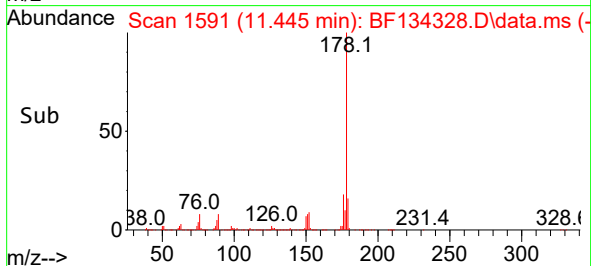
Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(5-7)



Tgt Ion:178 Resp: 20194
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 16.0 12.4 18.6

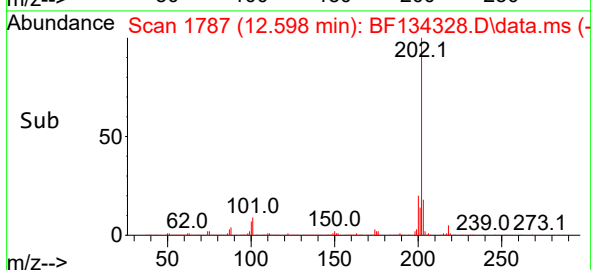
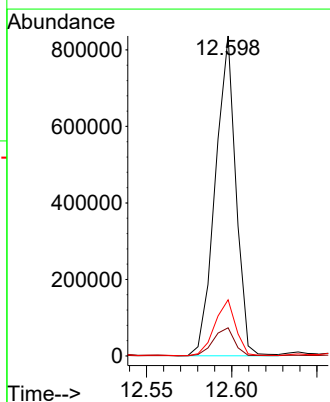
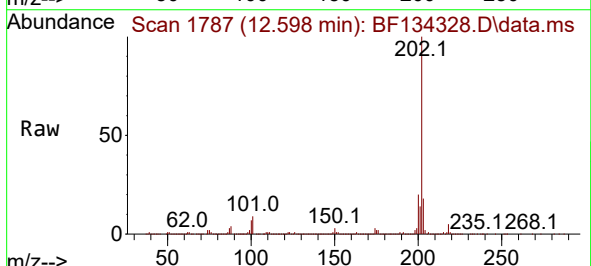
Manual Integrations
 APPROVED

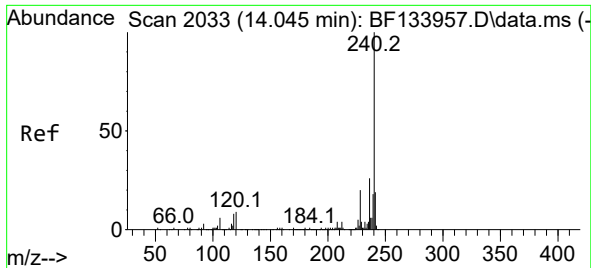
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#75
 Fluoranthene
 Concen: 71.300 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.000 min
 Lab File: BF134328.D
 Acq: 17 Jul 2023 22:04

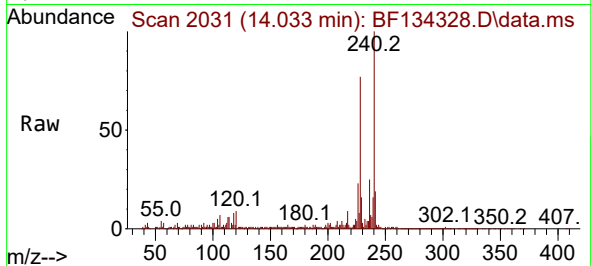
Tgt Ion:202 Resp: 701953
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 31.0
 203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

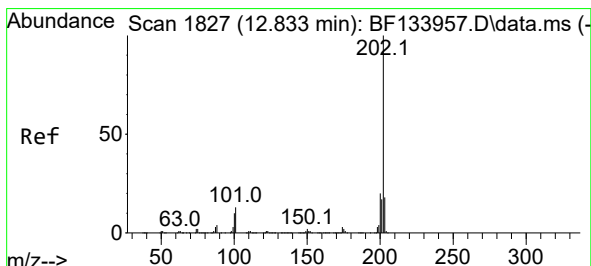
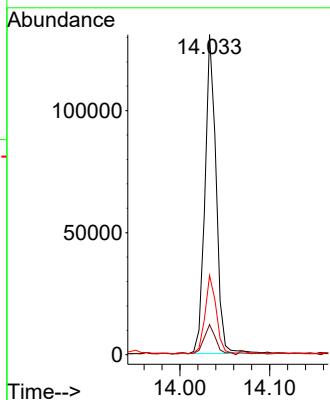
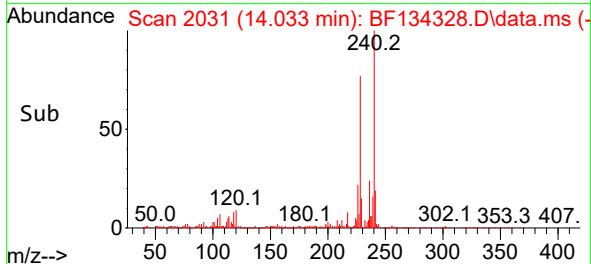
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)



Tgt Ion:240 Resp: 112535
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 24.7 21.0 31.6

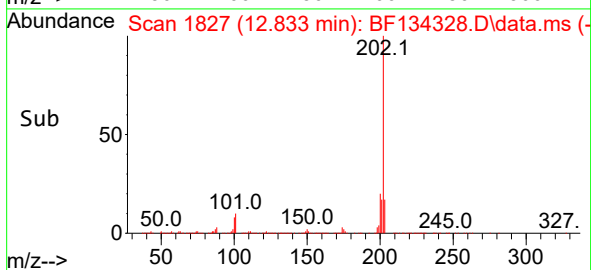
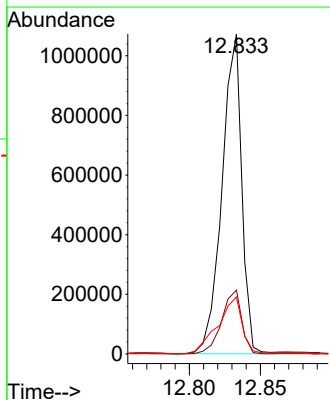
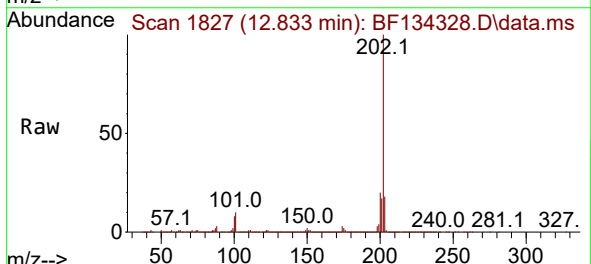
Manual Integrations
APPROVED

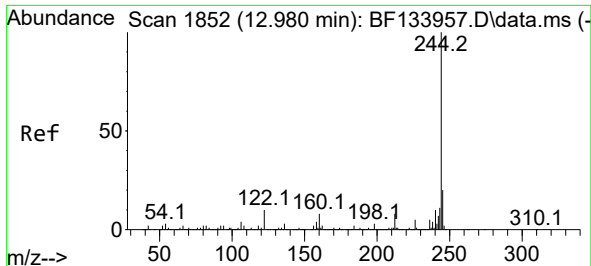
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#78
Pyrene
Concen: 98.906 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

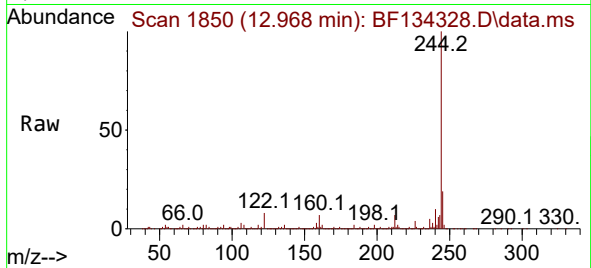
Tgt Ion:202 Resp: 1035833
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 17.8 14.3 21.5





#79
Terphenyl-d14
Concen: 71.066 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

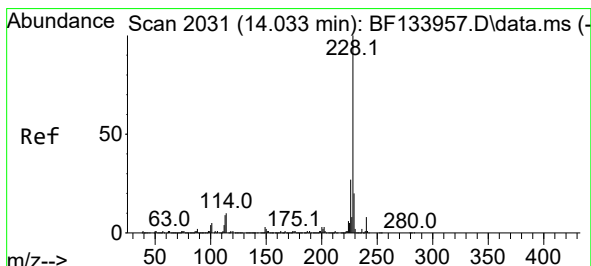
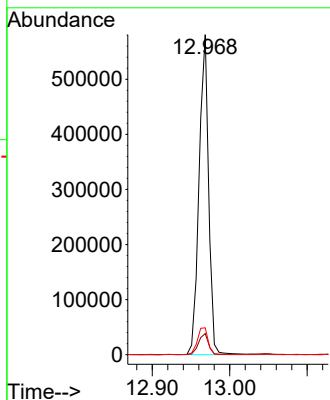
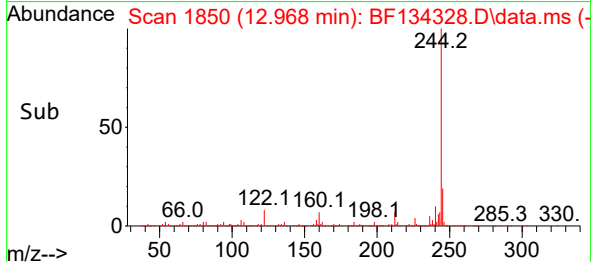
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)



Tgt Ion:244 Resp: 496911
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 8.4 8.3 12.5

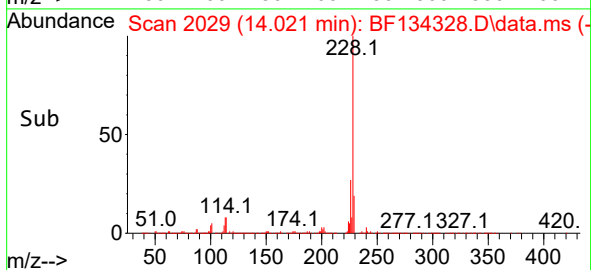
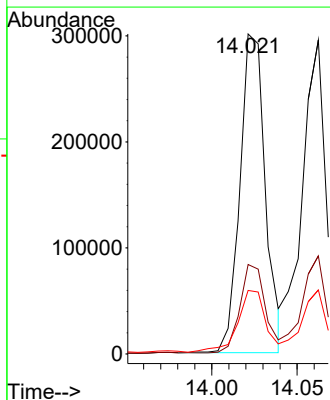
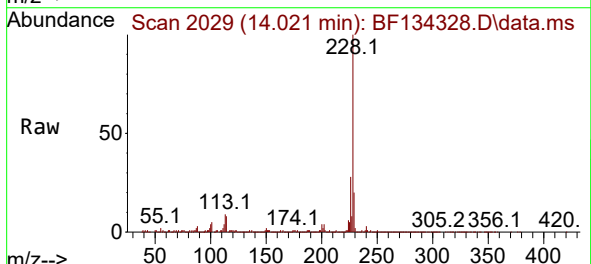
Manual Integrations
APPROVED

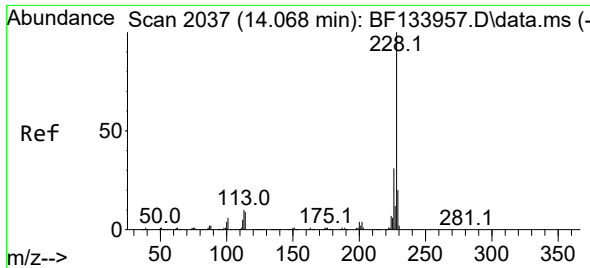
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#81
Benzo(a)anthracene
Concen: 39.920 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

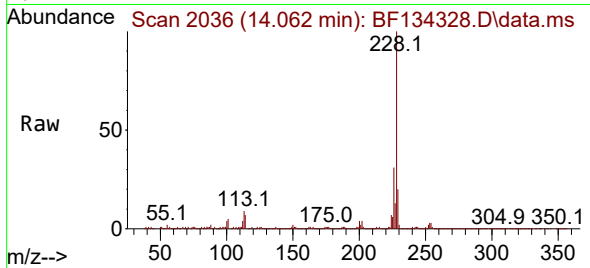
Tgt Ion:228 Resp: 311555
Ion Ratio Lower Upper
228 100
226 27.9 22.0 33.0
229 19.9 16.3 24.5





#83
Chrysene
Concen: 38.244 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

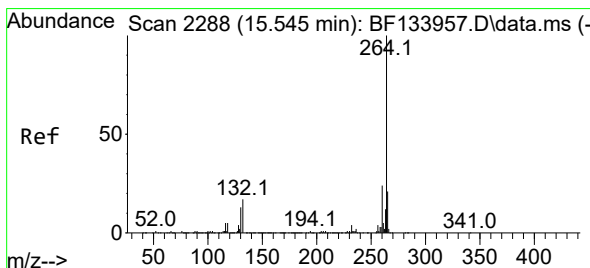
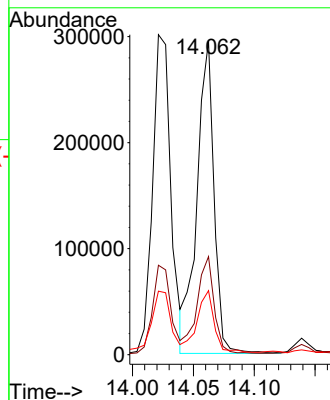
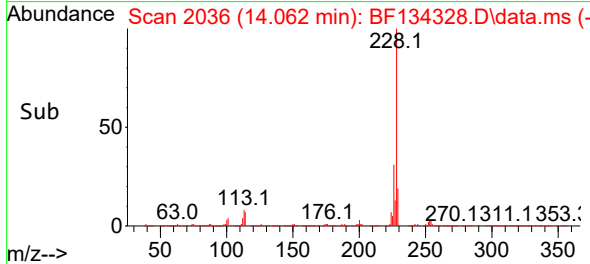
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)



Tgt Ion:228 Resp: 28909
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 20.4 16.1 24.1

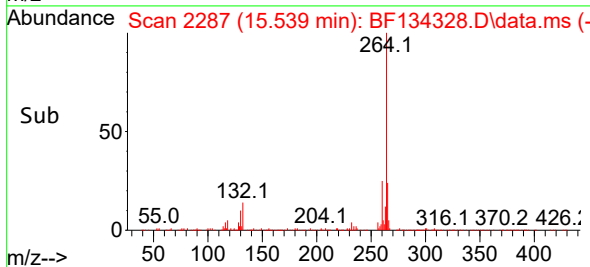
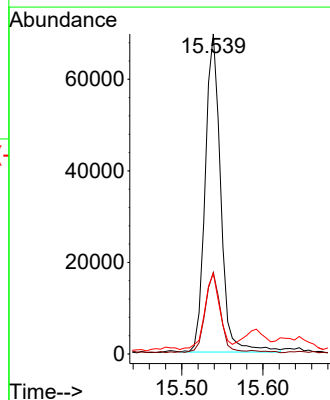
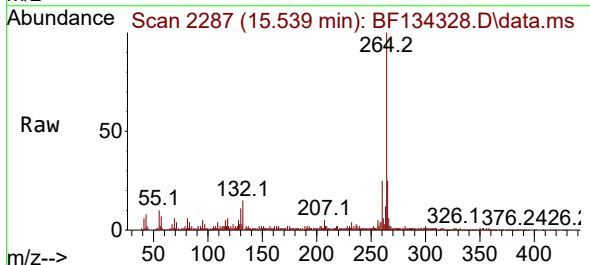
Manual Integrations
APPROVED

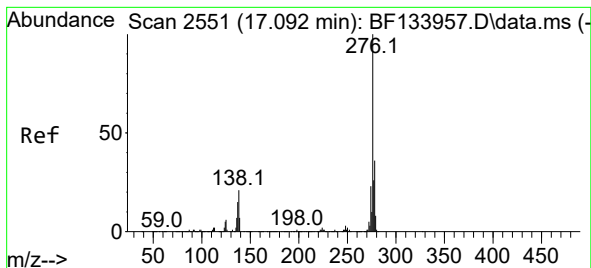
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

Tgt Ion:264 Resp: 92246
Ion Ratio Lower Upper
264 100
260 25.5 19.5 29.3
265 25.1 16.6 25.0#





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.727 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134328.D

Acq: 17 Jul 2023 22:04

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)

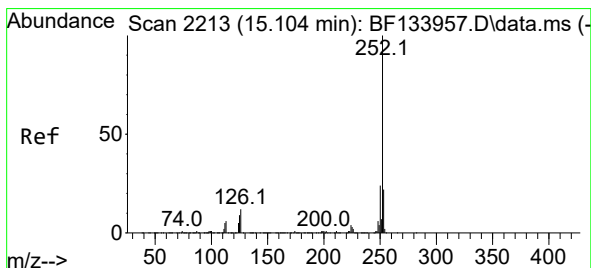
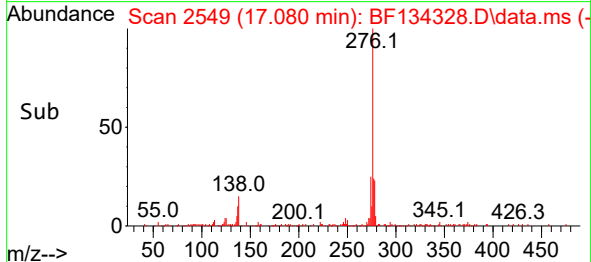
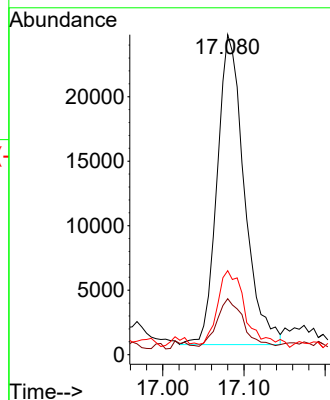
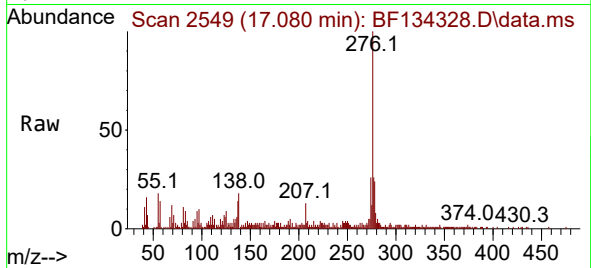
Tgt Ion:	276	Resp:	5586
Ion Ratio	Lower	Upper	
276	100		
138	14.6	18.7	28.1
277	25.8	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#88

Benzo(b)fluoranthene

Concen: 30.322 ng m

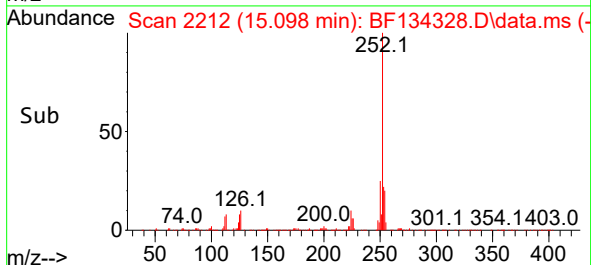
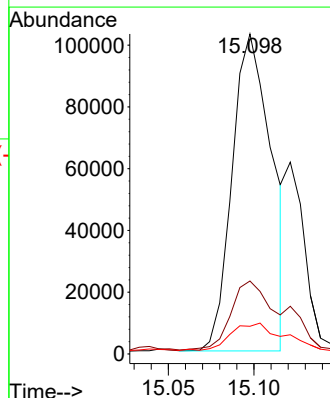
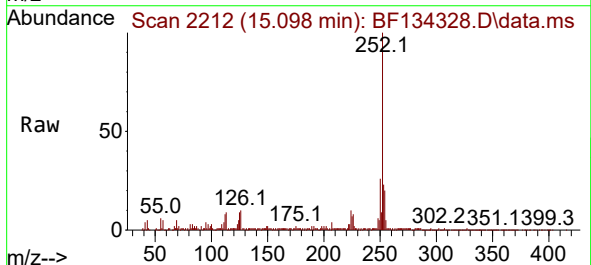
RT: 15.098 min Scan# 2212

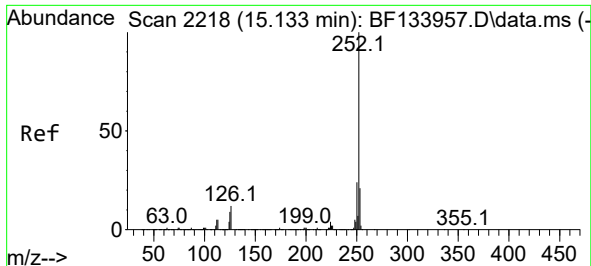
Delta R.T. -0.006 min

Lab File: BF134328.D

Acq: 17 Jul 2023 22:04

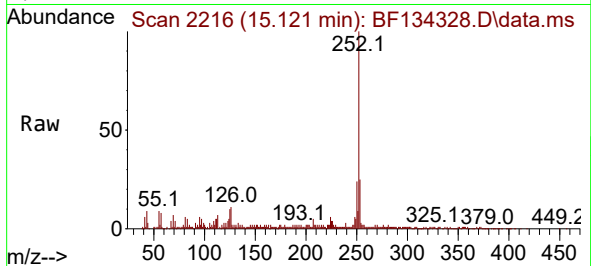
Tgt Ion:	252	Resp:	164468
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	8.7	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 8.496 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

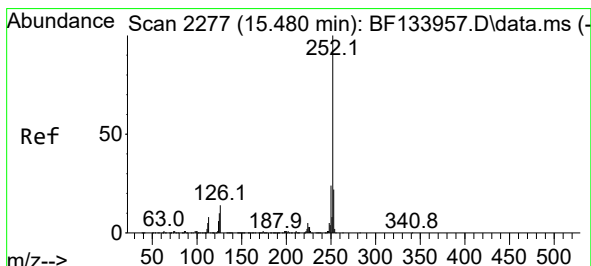
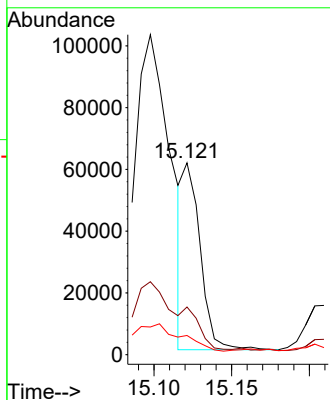
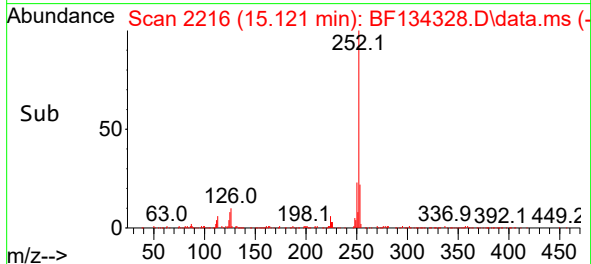
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)



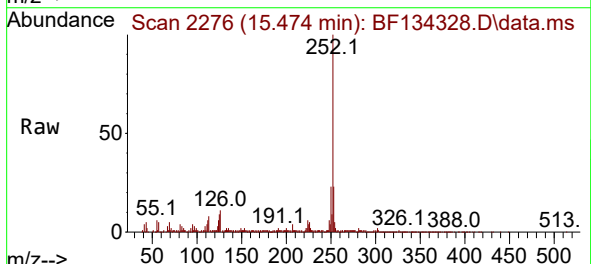
Tgt Ion:252 Resp: 4692
Ion Ratio Lower Upper
252 100
253 24.8 16.9 25.3
125 10.0 7.4 11.2

Manual Integrations
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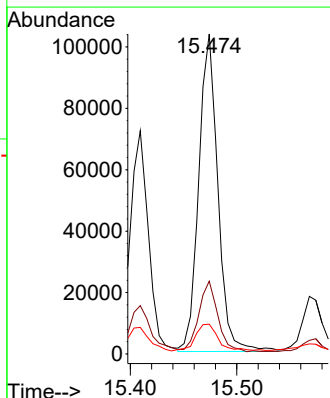
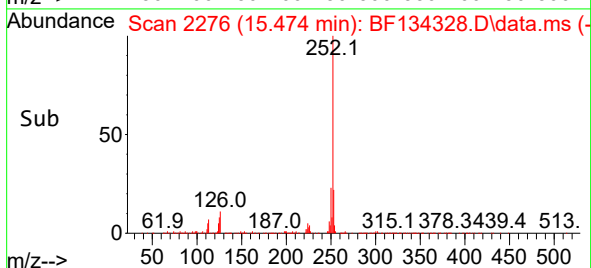
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

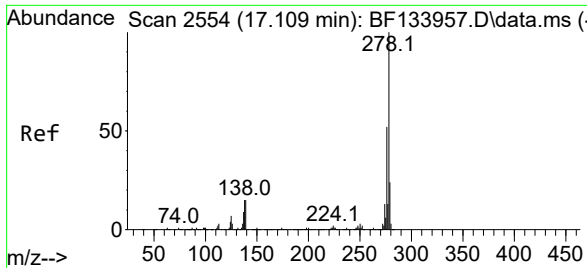


#90
Benzo(a)pyrene
Concen: 24.726 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04



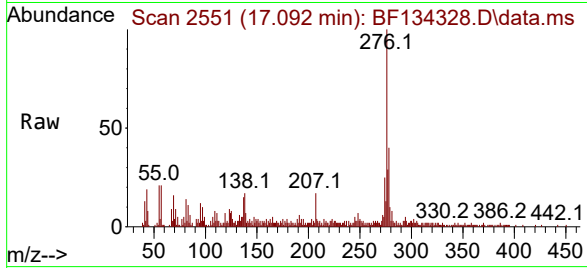
Tgt Ion:252 Resp: 129688
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.3 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 3.330 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

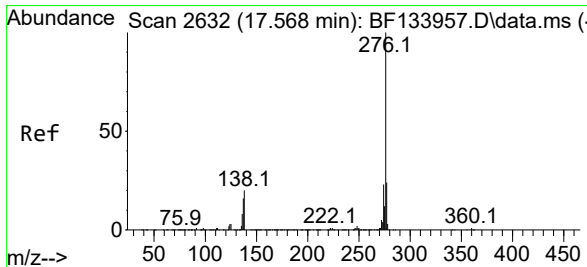
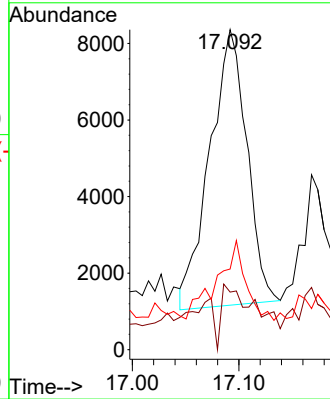
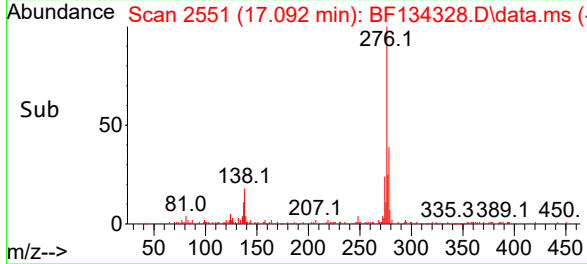
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)



Tgt Ion:278 Resp: 17408
Ion Ratio Lower Upper
278 100
139 18.0 12.2 18.4
279 25.2 19.4 29.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#92
Benzo(g,h,i)perylene
Concen: 10.250 ng
RT: 17.550 min Scan# 2629
Delta R.T. -0.018 min
Lab File: BF134328.D
Acq: 17 Jul 2023 22:04

Tgt Ion:276 Resp: 55263
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.6
138 21.6 16.2 24.2

