

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
 Data File : BF134298.D
 Acq On : 14 Jul 2023 19:37
 Operator : CG\JU
 Sample : 03591-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-8-071223

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 14 19:56:56 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 17:58:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	80989	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	305739	20.000	ng	# 0.00
39) Acenaphthene-d10	9.881	164	147116	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	284285	20.000	ng	0.00
76) Chrysene-d12	14.039	240	187484	20.000	ng	0.00
86) Perylene-d12	15.545	264	165971	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	419314	86.606	ng	0.00
7) Phenol-d6	6.481	99	495899	83.285	ng	0.00
23) Nitrobenzene-d5	7.404	82	341812	60.265	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	164065	88.946	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	630745	62.334	ng	0.00
79) Terphenyl-d14	12.969	244	642183	55.127	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.140	128	39280	2.660	ng	98
37) 2-Methylnaphthalene	8.834	142	22027	2.109	ng	94
38) 1-Methylnaphthalene	8.934	142	32618	3.360	ng	100
52) Acenaphthene	9.910	154	69113	8.075	ng	96
55) Dibenzofuran	10.086	168	94429	7.060	ng	99
58) Fluorene	10.428	166	151347	14.544	ng	98
71) Phenanthrene	11.404	178	834610	58.318	ng	99
72) Anthracene	11.451	178	245796	16.512	ng	99
73) Carbazole	11.610	167	74080	5.437	ng	99
75) Fluoranthene	12.604	202	958963	61.981	ng	97
78) Pyrene	12.833	202	821581	47.088	ng	99
81) Benzo(a)anthracene	14.027	228	350567	26.962	ng	99
83) Chrysene	14.063	228	297190	23.598	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	129751	11.266	ng	# 92
88) Benzo(b)fluoranthene	15.098	252	332771m	34.098	ng	
89) Benzo(k)fluoranthene	15.127	252	126997m	12.781	ng	
90) Benzo(a)pyrene	15.480	252	251056	26.603	ng	98
91) Dibenzo(a,h)anthracene	17.092	278	30410m	3.233	ng	
92) Benzo(g,h,i)perylene	17.562	276	126573	13.048	ng	97

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

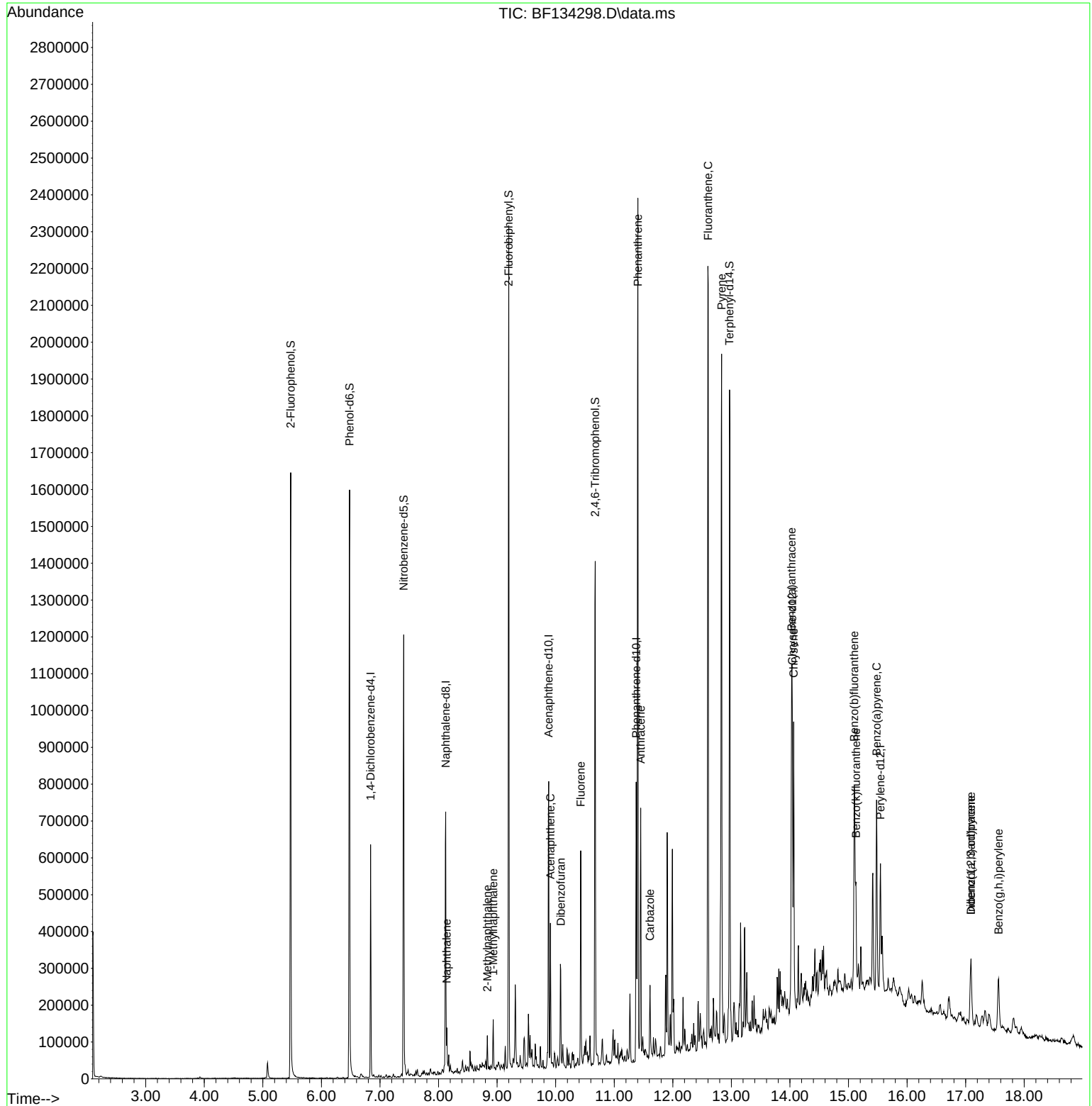
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
Data File : BF134298.D
Acq On : 14 Jul 2023 19:37
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ALS Vial : 8 Sample Multiplier: 1

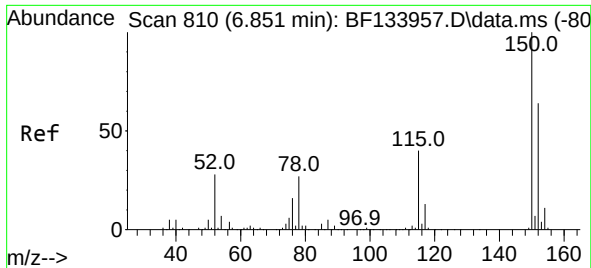
Instrument :
BNA_F
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NB-8-071223

Quant Time: Jul 14 19:56:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 809
Delta R.T. -0.005 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

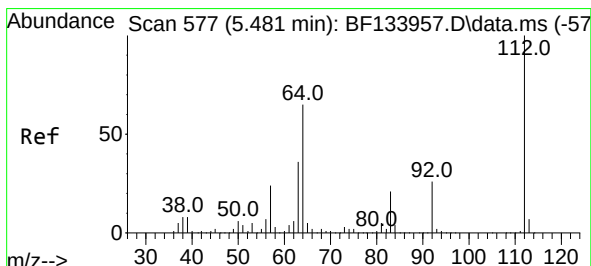
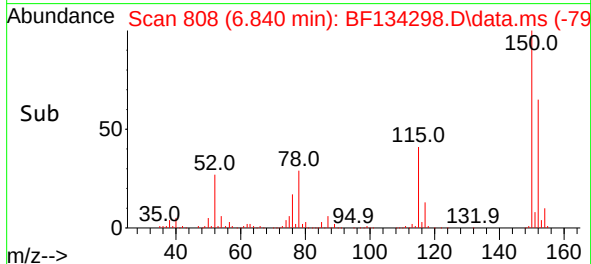
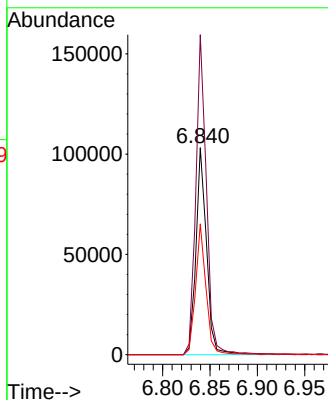
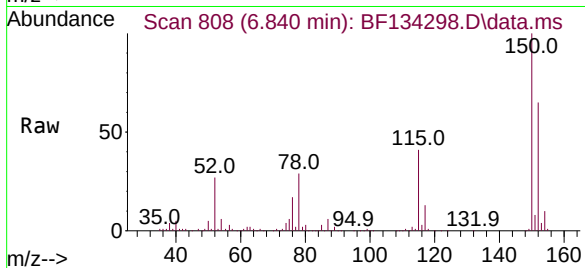
NB-8-071223

Tgt Ion:152 Resp: 80989
Ion Ratio Lower Upper
152 100
150 154.6 124.5 186.7
115 63.2 50.2 75.2

Manual Integrations

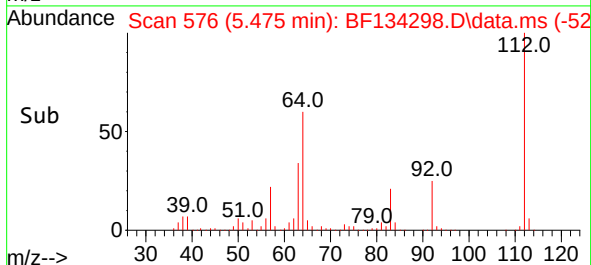
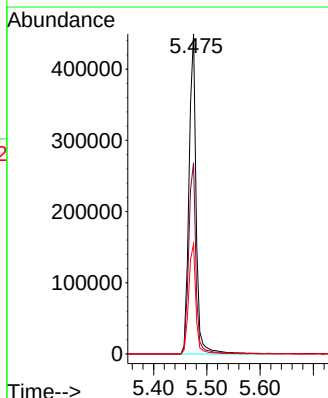
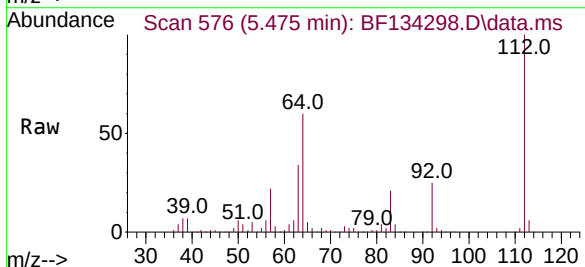
APPROVED

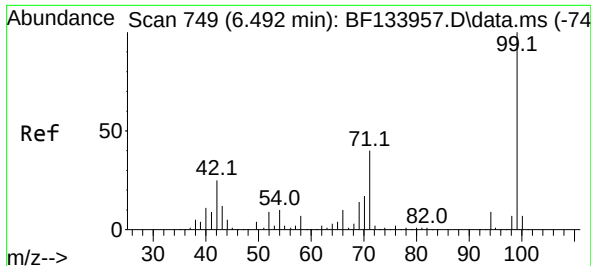
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 86.606 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

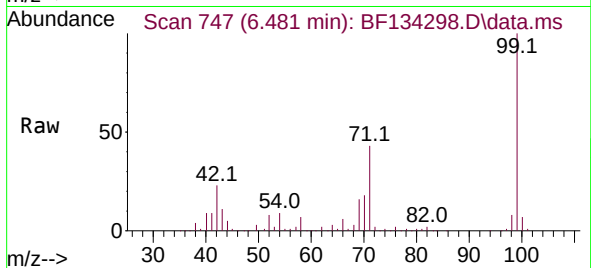
Tgt Ion:112 Resp: 419314
Ion Ratio Lower Upper
112 100
64 59.7 52.1 78.1
63 34.4 28.6 42.8





#7
Phenol-d6
Concen: 83.285 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

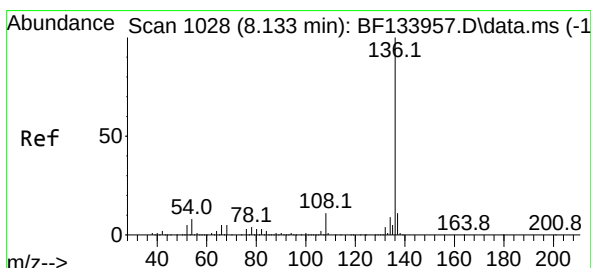
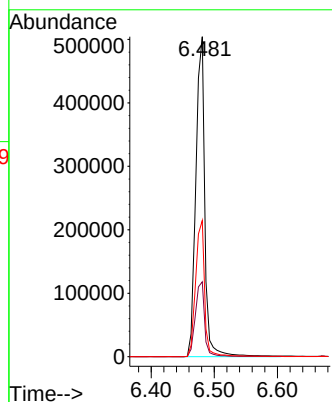
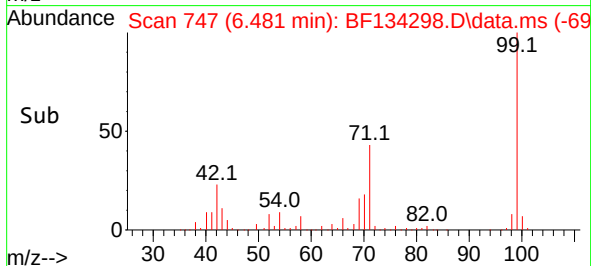
Instrument :
BNA_F
ClientSampleId :
NB-8-071223



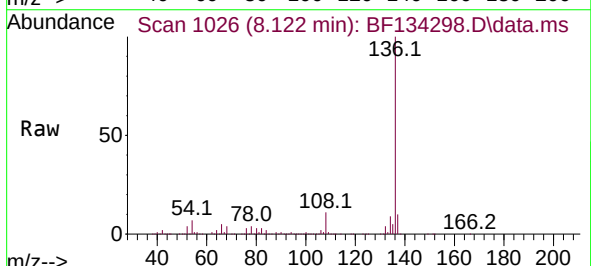
Tgt Ion: 99 Resp: 495899
Ion Ratio Lower Upper
99 100
42 23.4 19.8 29.6
71 42.6 31.9 47.9

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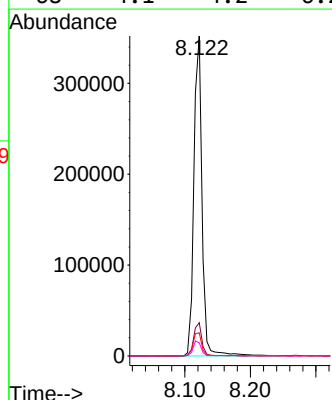
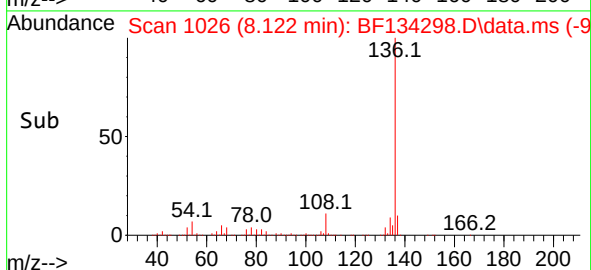
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

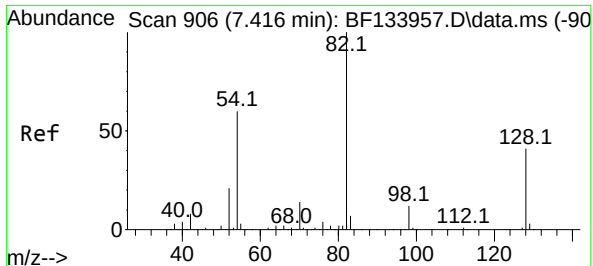


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37



Tgt Ion:136 Resp: 305739
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 7.3 6.5 9.7
68 4.1 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 60.265 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134298.D

Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

NB-8-071223

Tgt Ion: 82 Resp: 34181

Ion Ratio Lower Upper

82 100

128 41.5 32.5 48.7

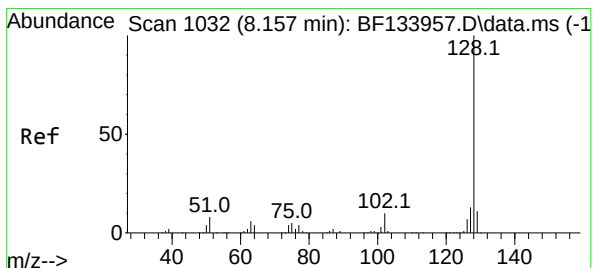
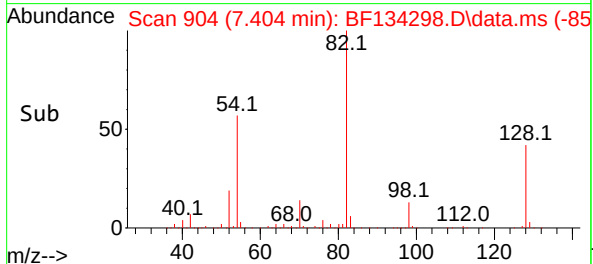
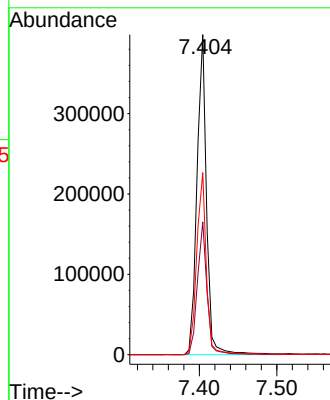
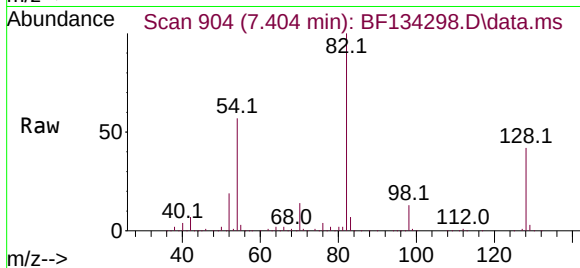
54 56.9 48.2 72.2

Manual Integrations

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#31

Naphthalene

Concen: 2.660 ng

RT: 8.140 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF134298.D

Acq: 14 Jul 2023 19:37

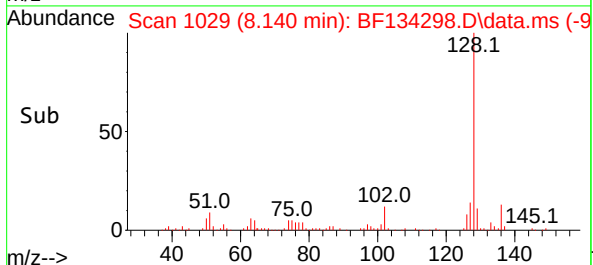
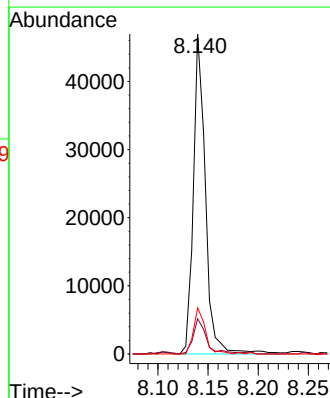
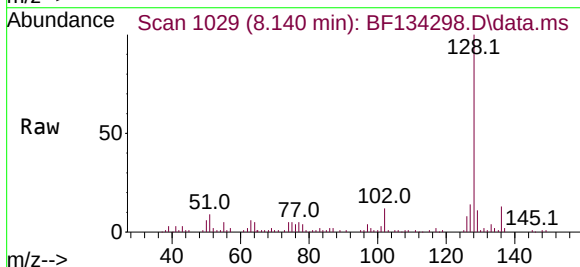
Tgt Ion:128 Resp: 39280

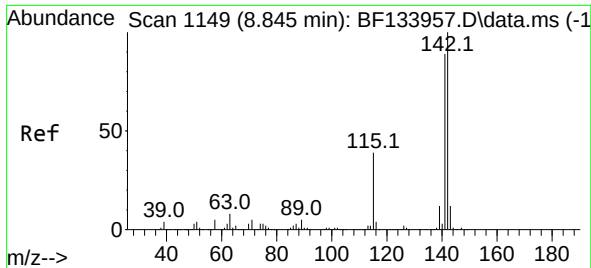
Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

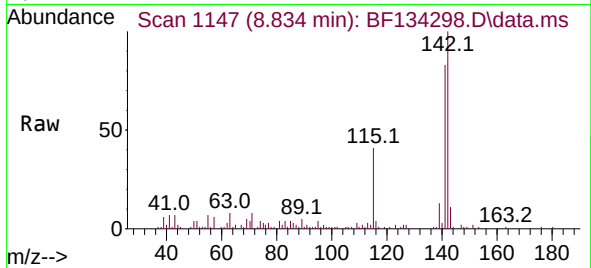
127 14.4 10.6 15.8





#37
2-Methylnaphthalene
Concen: 2.109 ng
RT: 8.834 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

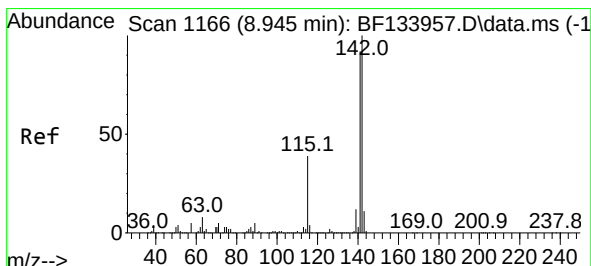
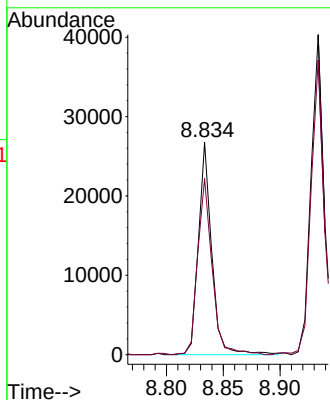
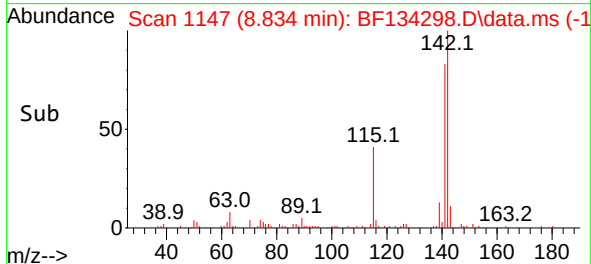
Instrument :
BNA_F
ClientSampleId :
NB-8-071223



Tgt Ion:142 Resp: 2202
Ion Ratio Lower Upper
142 100
141 82.9 71.0 106.4

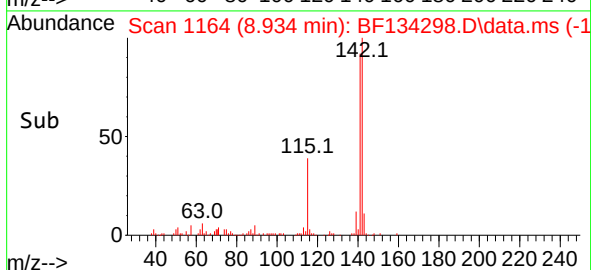
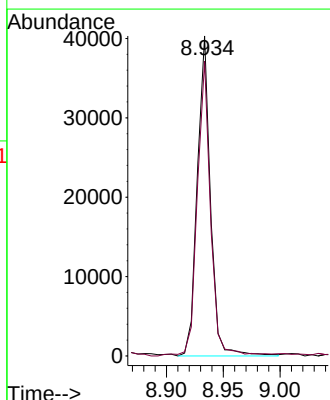
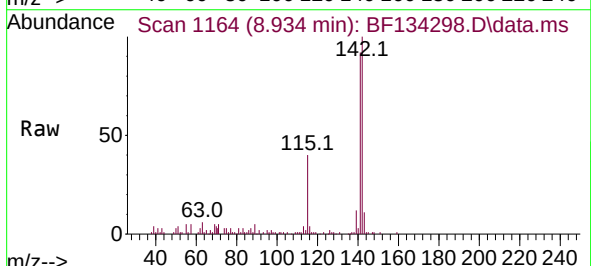
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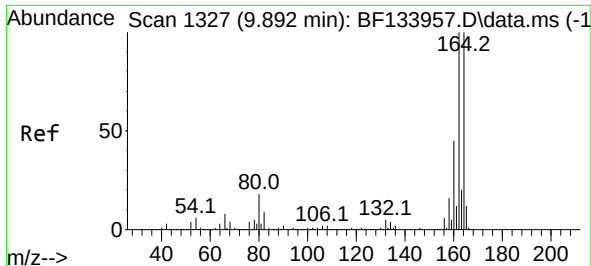
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#38
1-Methylnaphthalene
Concen: 3.360 ng
RT: 8.934 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Tgt Ion:142 Resp: 32618
Ion Ratio Lower Upper
142 100
141 92.1 73.5 110.3





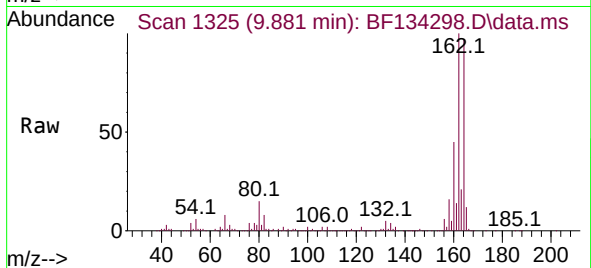
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

NB-8-071223

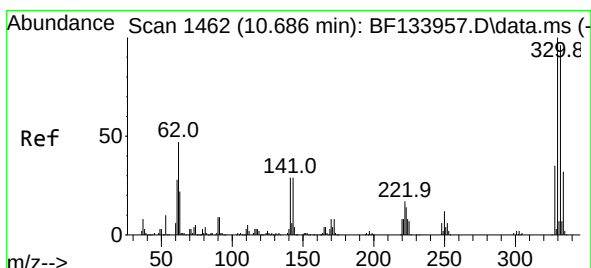
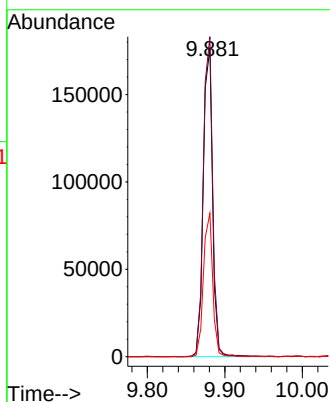
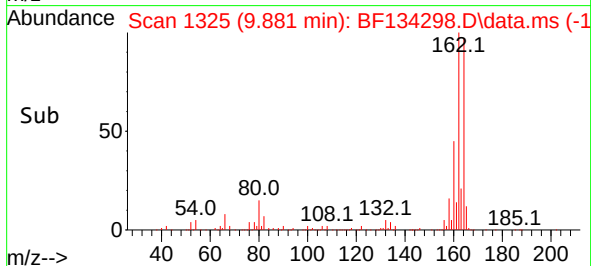


Tgt Ion:164 Resp: 147110
Ion Ratio Lower Upper
164 100
162 103.6 80.0 120.0
160 46.4 35.9 53.9

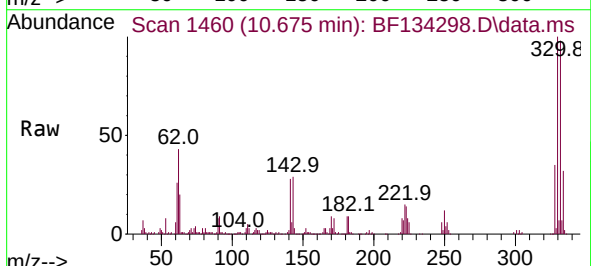
Manual Integrations

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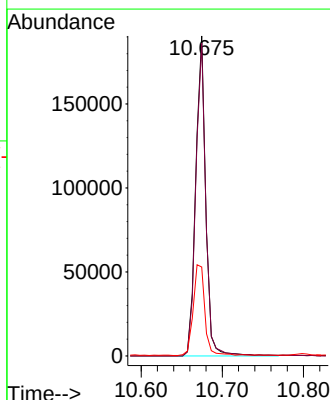
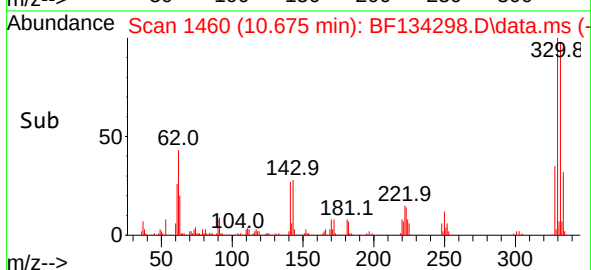
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

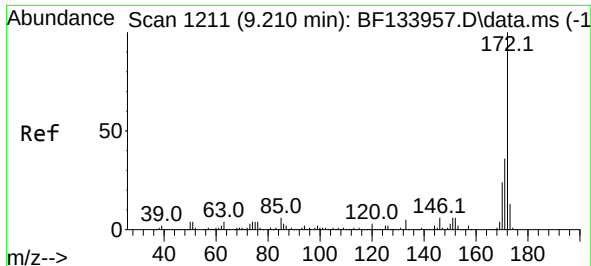


#42
2,4,6-Tribromophenol
Concen: 88.946 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37



Tgt Ion:330 Resp: 164065
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.6
141 33.0 26.3 39.5





#45
2-Fluorobiphenyl
Concen: 62.334 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

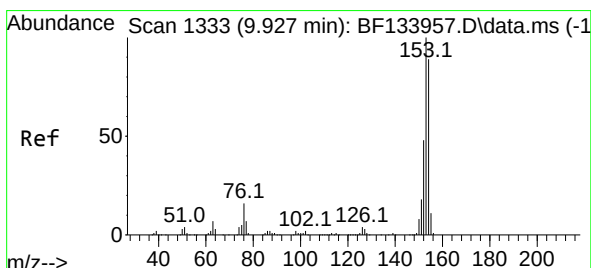
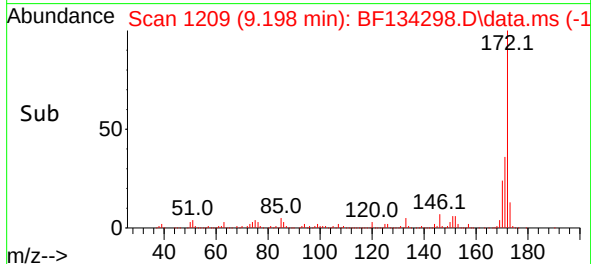
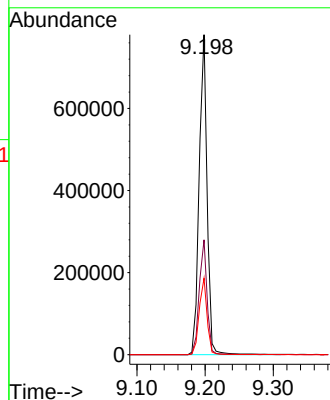
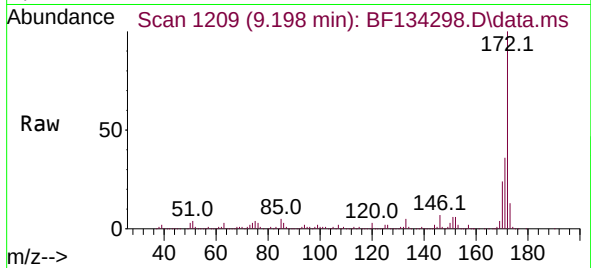
NB-8-071223

Tgt Ion:172 Resp: 63074
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.9 19.4 29.0

Manual Integrations

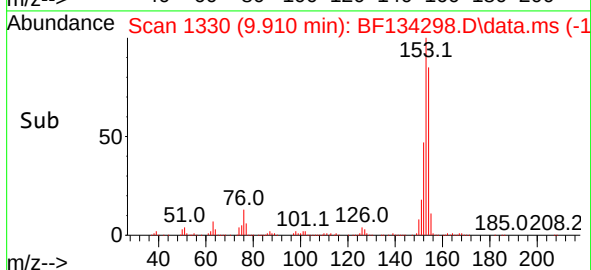
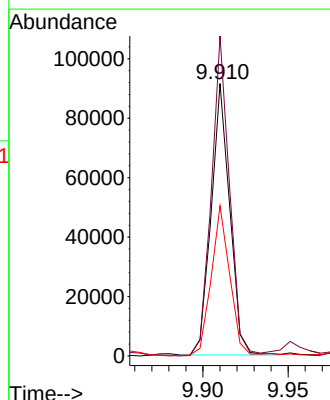
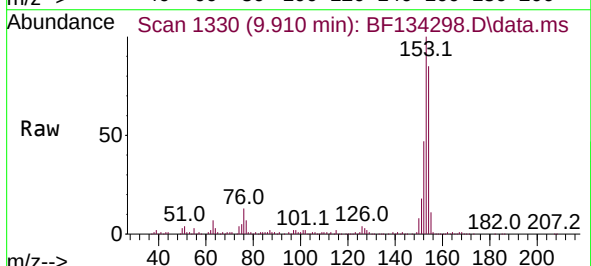
APPROVED

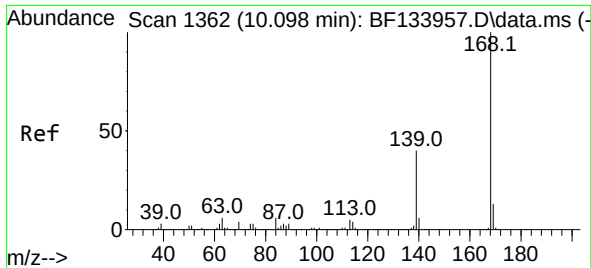
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#52
Acenaphthene
Concen: 8.075 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Tgt Ion:154 Resp: 69113
Ion Ratio Lower Upper
154 100
153 117.4 89.4 134.2
152 55.1 42.8 64.2





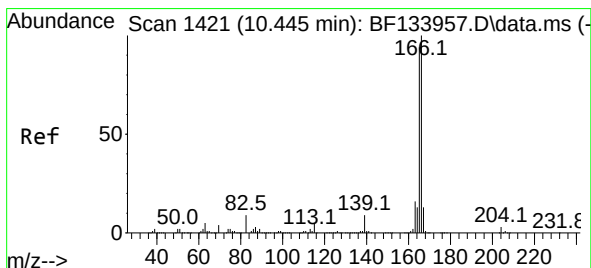
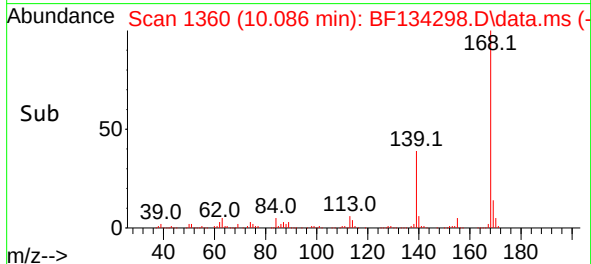
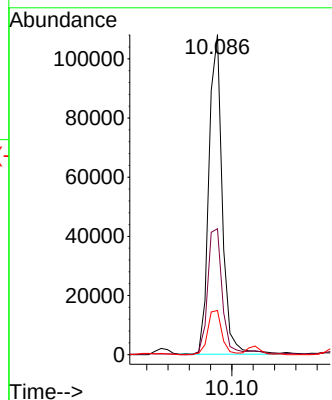
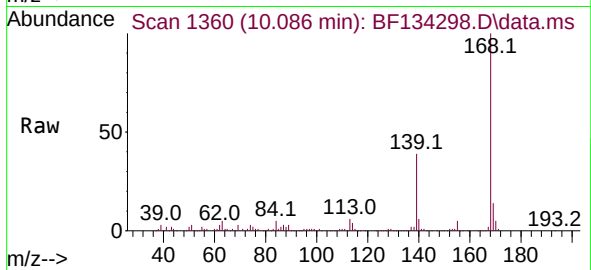
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Dibenzenofuran
Concen: 7.060 ng
RT: 10.086 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Instrument :
BNA_F
ClientSampleId :
NB-8-071223

Tgt Ion:168 Resp: 94429
Ion Ratio Lower Upper
168 100
139 39.4 32.0 48.0
169 13.8 10.6 16.0

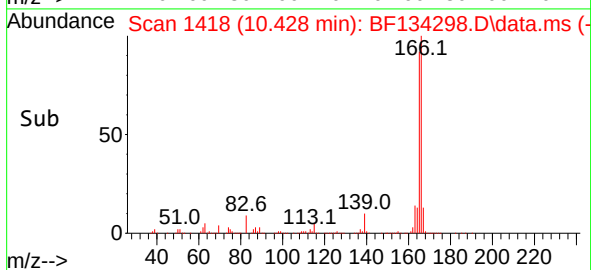
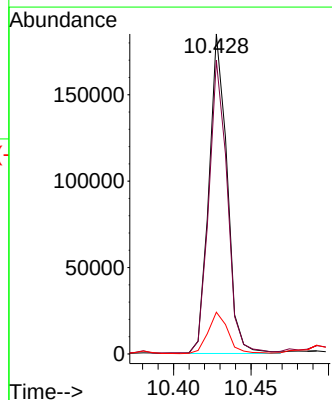
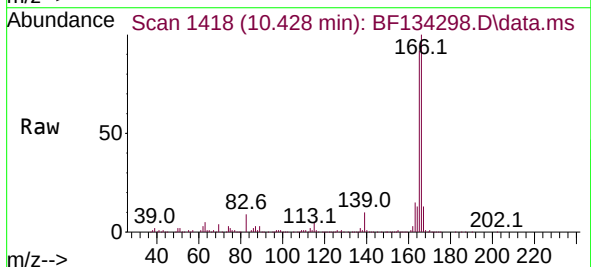
Manual Integrations
APPROVED

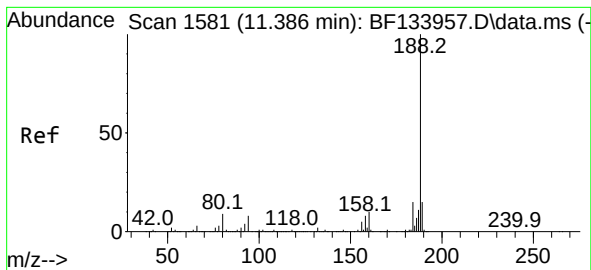
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#58
Fluorene
Concen: 14.544 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

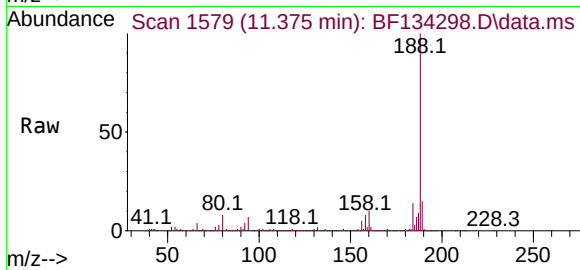
Tgt Ion:166 Resp: 151347
Ion Ratio Lower Upper
166 100
165 91.7 75.0 112.4
167 13.1 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11375
Delta R.T. 0.000 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

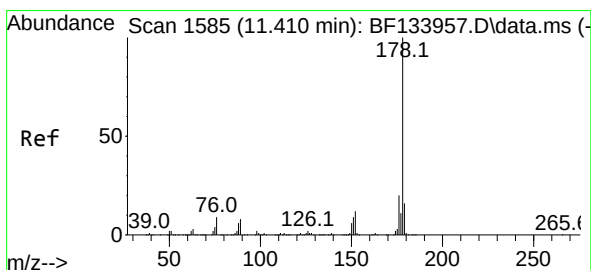
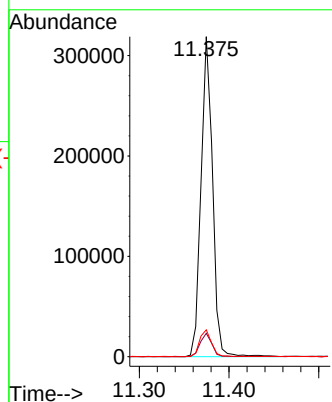
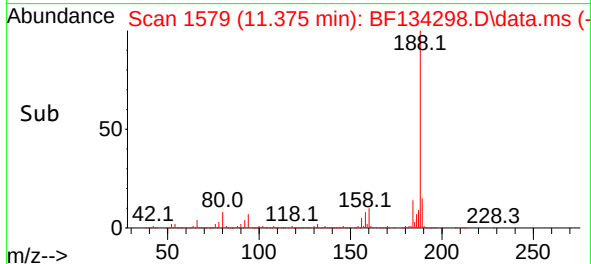
Instrument :
BNA_F
ClientSampleId :
NB-8-071223



Tgt Ion:188 Resp: 284285
Ion Ratio Lower Upper
188 100
94 7.3 6.4 9.6
80 8.4 7.3 10.9

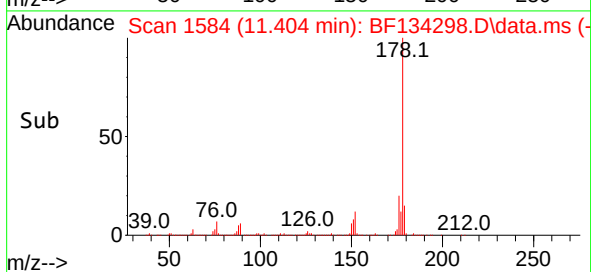
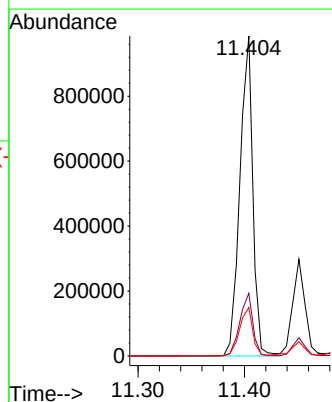
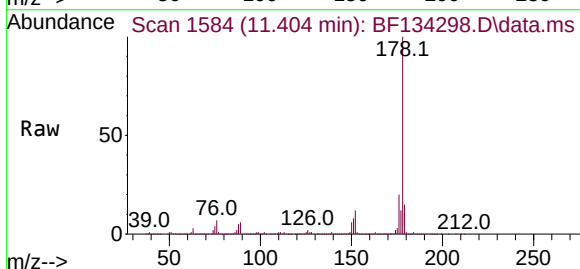
Manual Integrations
APPROVED

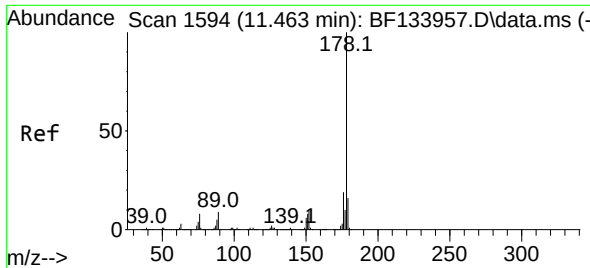
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 58.318 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Tgt Ion:178 Resp: 834610
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.1 12.4 18.6





#72
 Anthracene
 Concen: 16.512 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134298.D
 Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

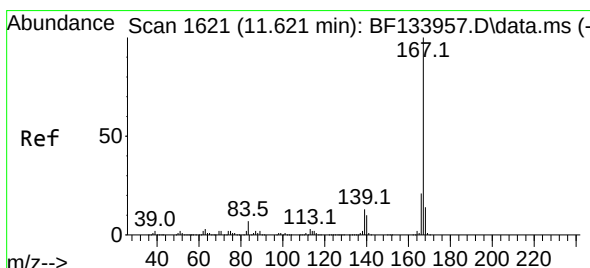
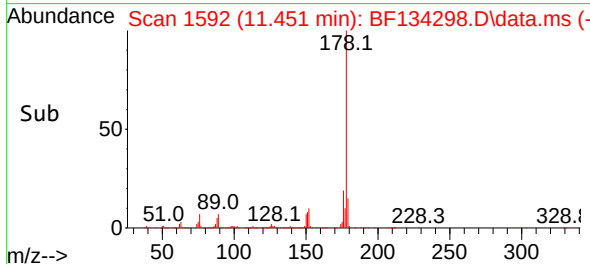
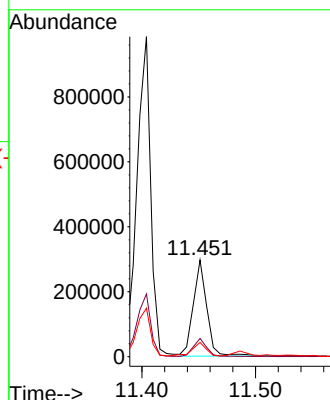
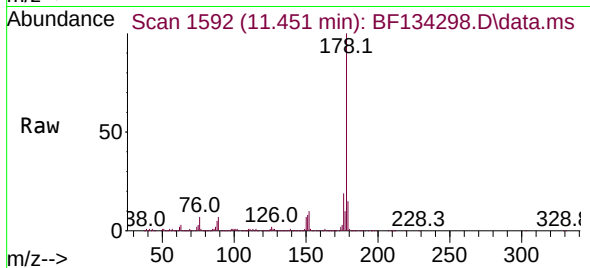
NB-8-071223

Tgt Ion:178 Resp: 245790
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 14.7 12.4 18.6

Manual Integrations

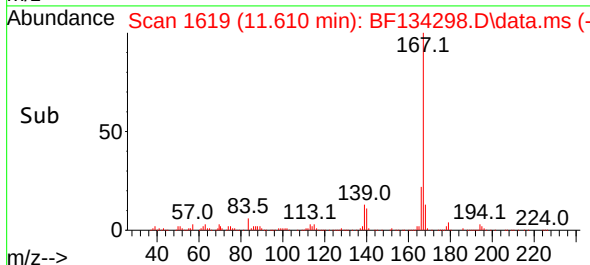
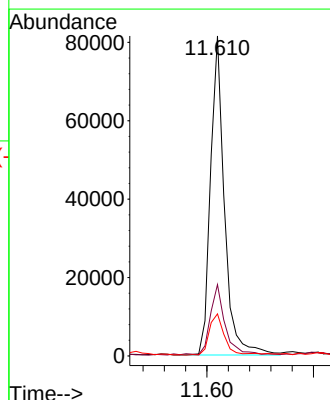
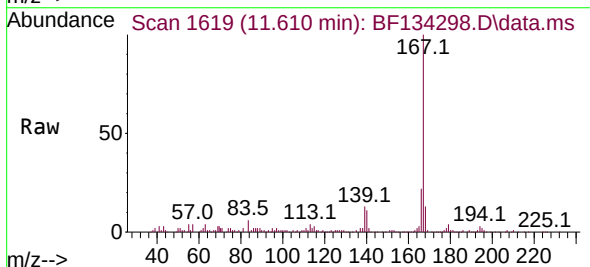
APPROVED

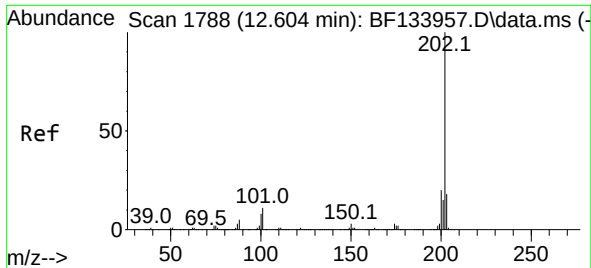
Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023



#73
 Carbazole
 Concen: 5.437 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.006 min
 Lab File: BF134298.D
 Acq: 14 Jul 2023 19:37

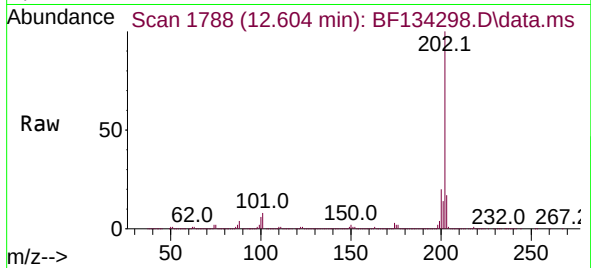
Tgt Ion:167 Resp: 74080
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.0 25.6
 139 13.1 10.4 15.6





#75
Fluoranthene
Concen: 61.981 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

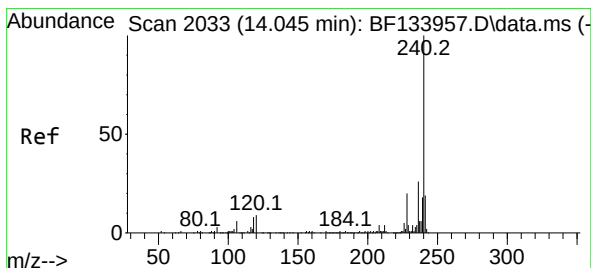
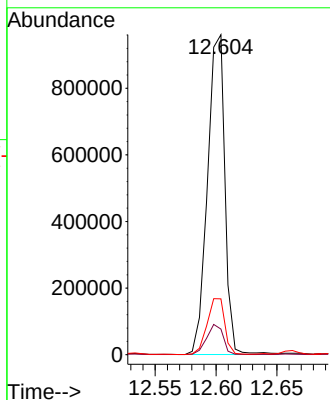
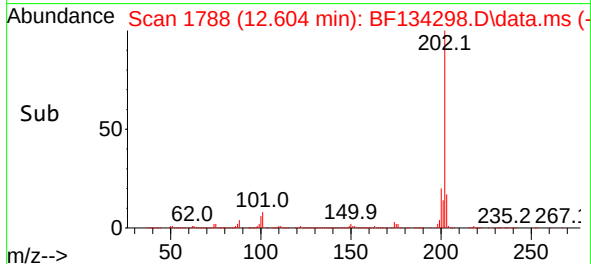
Instrument :
BNA_F
ClientSampleId :
NB-8-071223



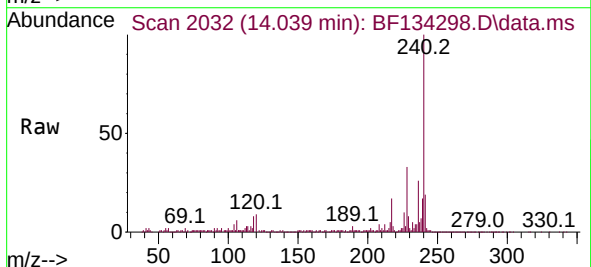
Tgt Ion:202 Resp: 95896
Ion Ratio Lower Upper
202 100
101 8.0 0.0 31.0
203 17.5 0.0 37.6

Manual Integrations
APPROVED

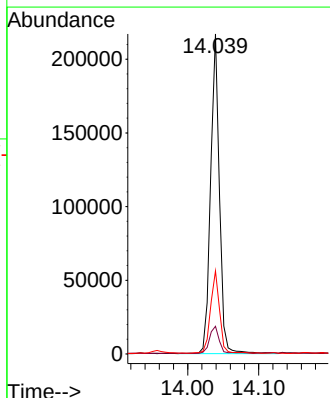
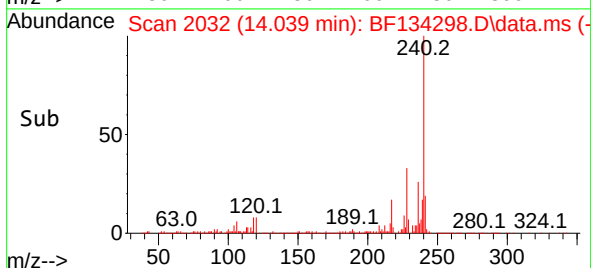
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

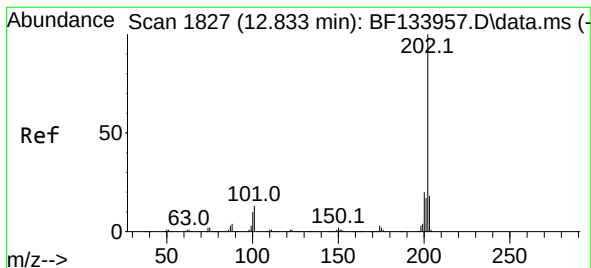


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37



Tgt Ion:240 Resp: 187484
Ion Ratio Lower Upper
240 100
120 8.7 7.4 11.0
236 25.9 21.0 31.6





#78

Pyrene

Concen: 47.088 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134298.D

Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

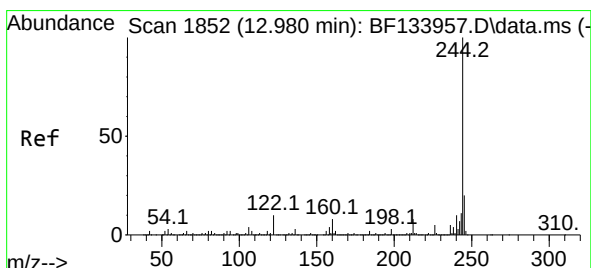
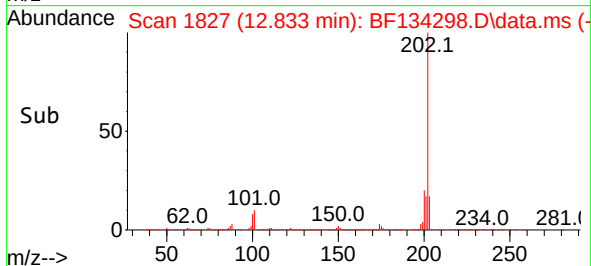
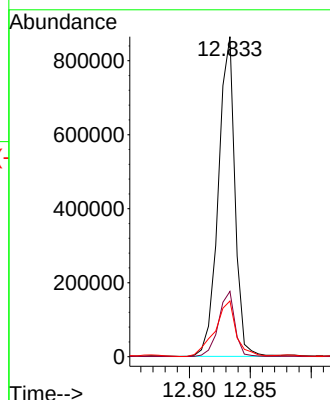
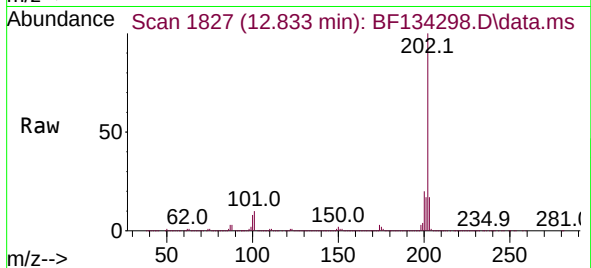
NB-8-071223

Tgt Ion:202 Resp: 82158
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.1 24.1
 203 17.4 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023



#79

Terphenyl-d14

Concen: 55.127 ng

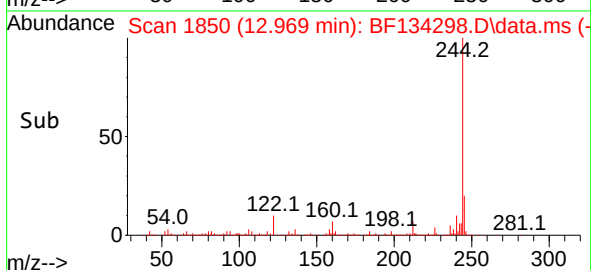
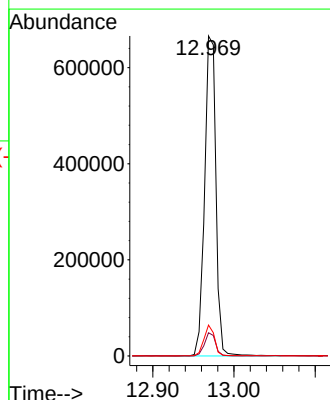
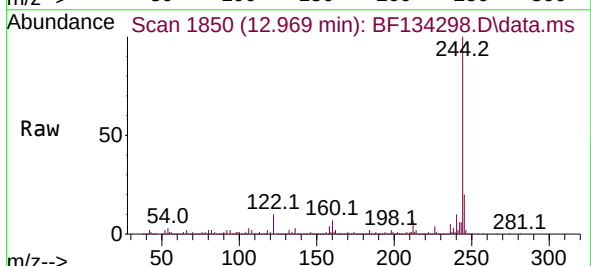
RT: 12.969 min Scan# 1850

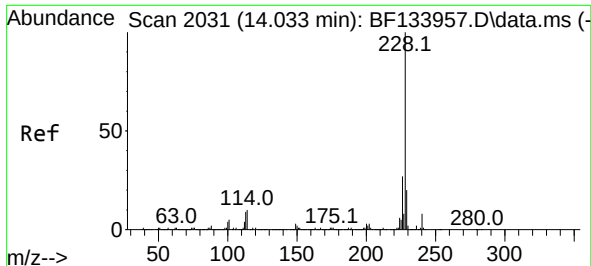
Delta R.T. -0.006 min

Lab File: BF134298.D

Acq: 14 Jul 2023 19:37

Tgt Ion:244 Resp: 642183
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 9.7 8.3 12.5





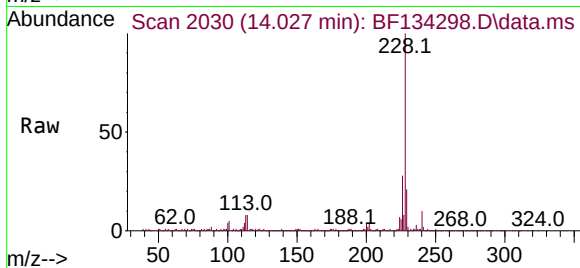
#81
Benzo(a)anthracene
Concen: 26.962 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

NB-8-071223

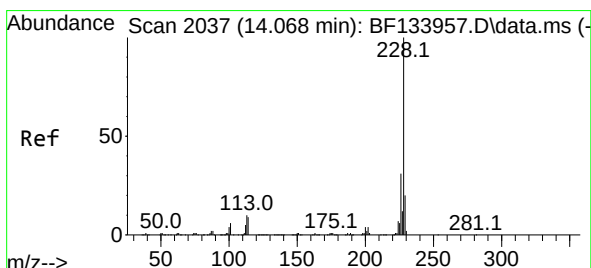
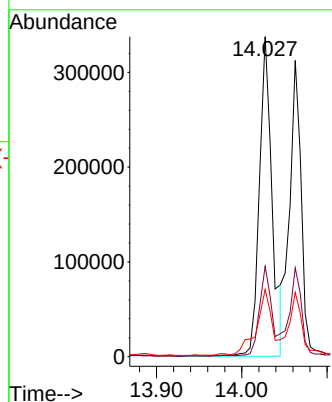
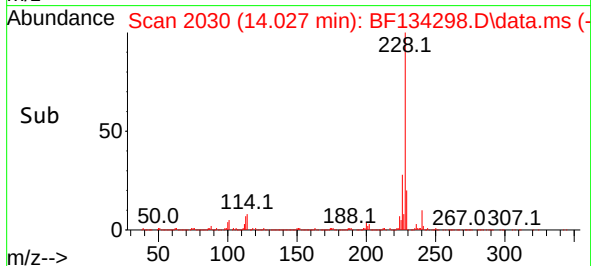


Tgt Ion:228 Resp: 35056
Ion Ratio Lower Upper
228 100
226 28.2 22.0 33.0
229 21.0 16.3 24.5

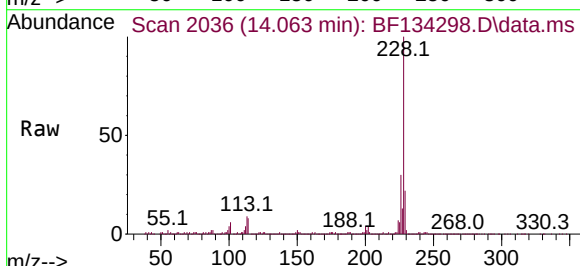
Manual Integrations

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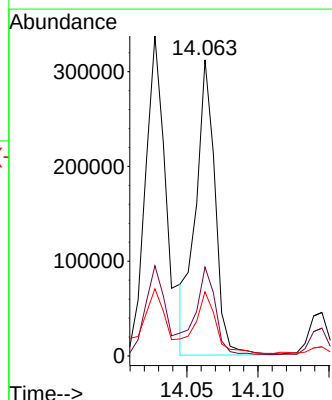
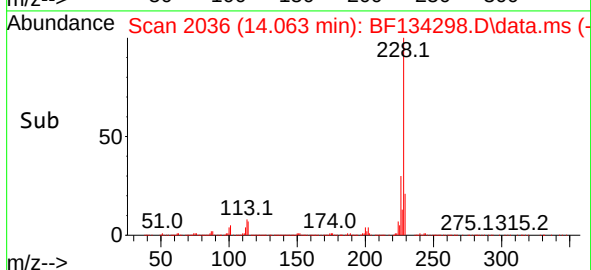
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

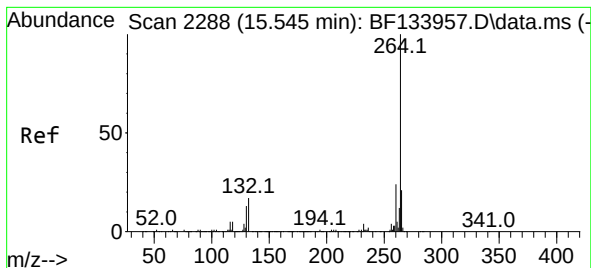


#83
Chrysene
Concen: 23.598 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37



Tgt Ion:228 Resp: 297190
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 21.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. 0.000 min

Lab File: BF134298.D

Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

NB-8-071223

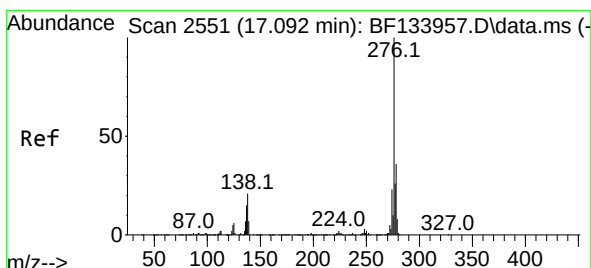
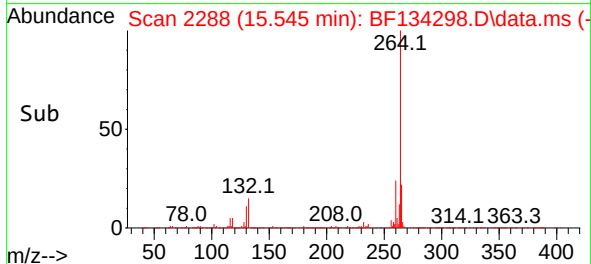
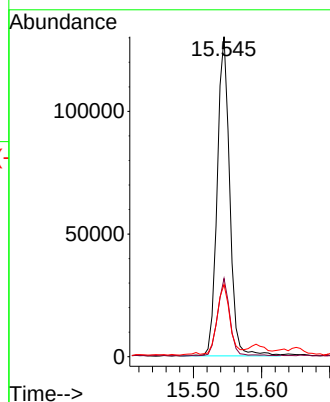
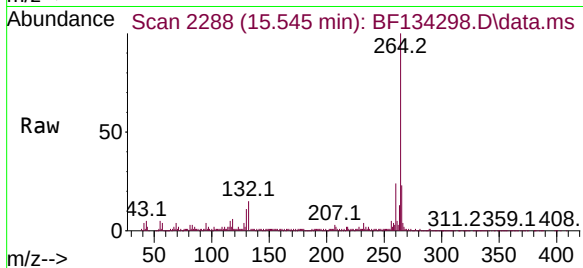
Tgt Ion:264 Resp: 16597

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.6	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.266 ng

RT: 17.092 min Scan# 2551

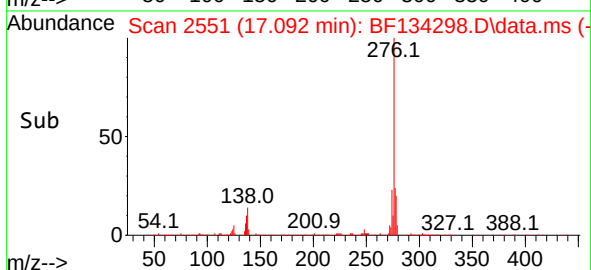
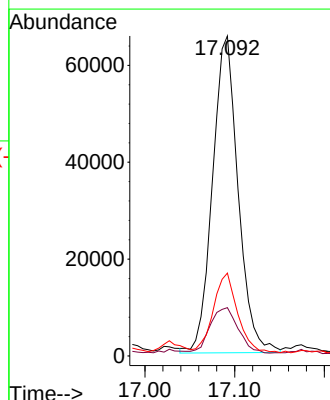
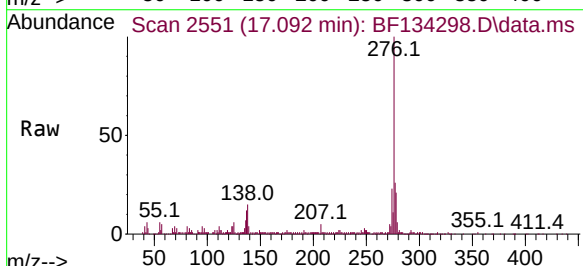
Delta R.T. -0.006 min

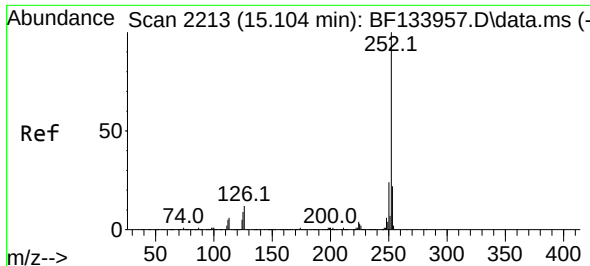
Lab File: BF134298.D

Acq: 14 Jul 2023 19:37

Tgt Ion:276 Resp: 129751

Ion	Ratio	Lower	Upper
276	100		
138	16.5	18.7	28.1#
277	23.9	19.9	29.9





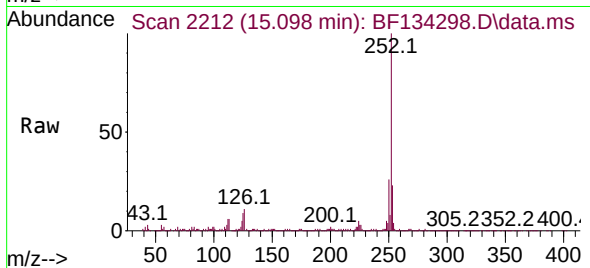
#88
Benzo(b)fluoranthene
Concen: 34.098 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

NB-8-071223

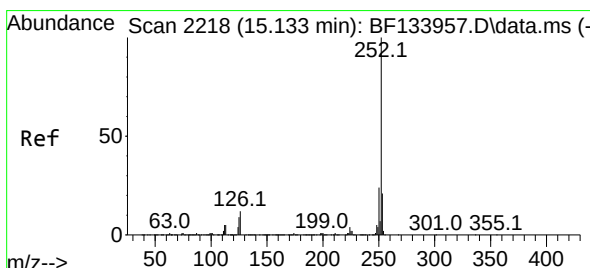
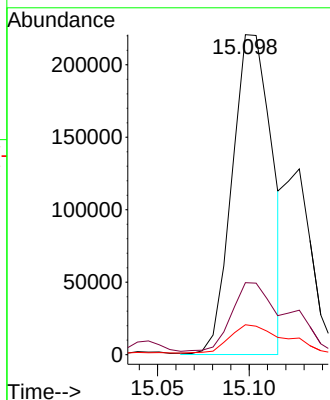
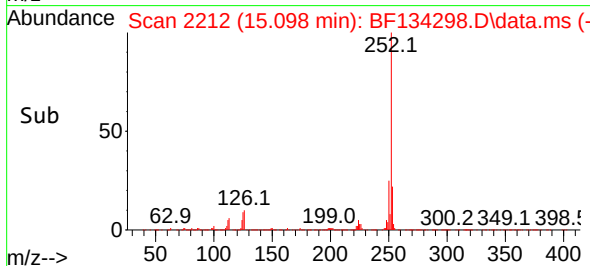


Tgt Ion:252 Resp: 33277
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 9.3 7.1 10.7

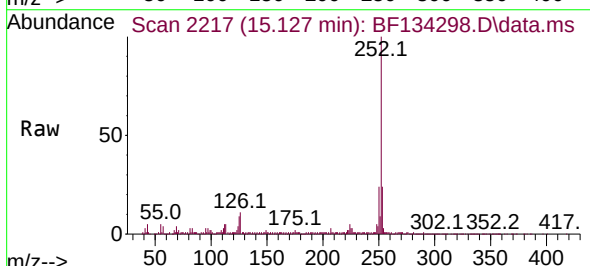
Manual Integrations

APPROVED

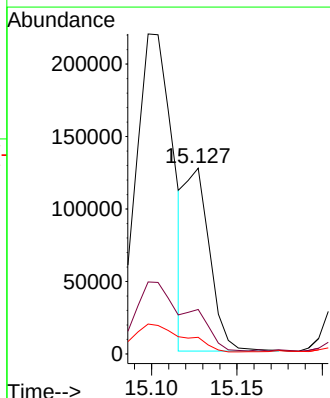
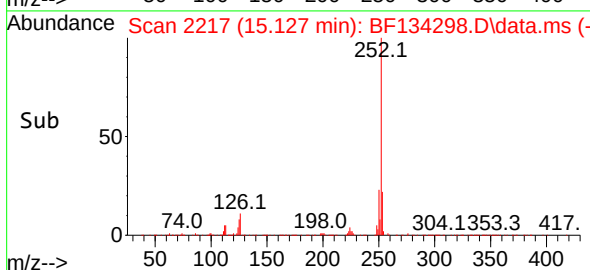
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

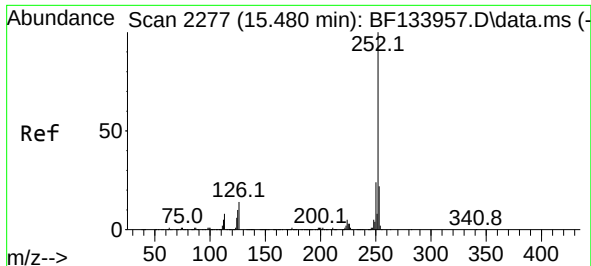


#89
Benzo(k)fluoranthene
Concen: 12.781 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37



Tgt Ion:252 Resp: 126997
Ion Ratio Lower Upper
252 100
253 24.0 16.9 25.3
125 8.9 7.4 11.2





#90
Benzo(a)pyrene
Concen: 26.603 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Instrument :

BNA_F

ClientSampleId :

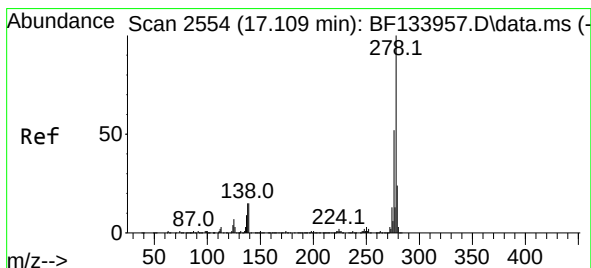
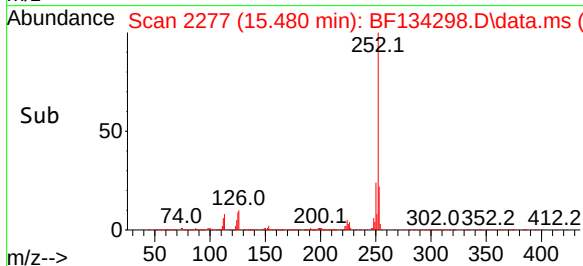
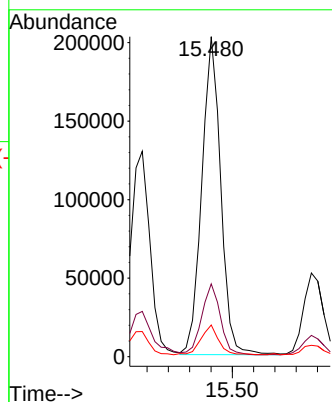
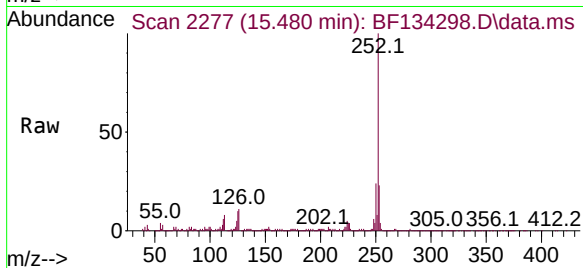
NB-8-071223

Tgt Ion:252 Resp: 251050
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 9.9 8.4 12.6

Manual Integrations

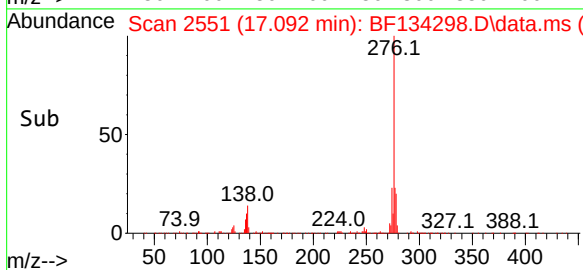
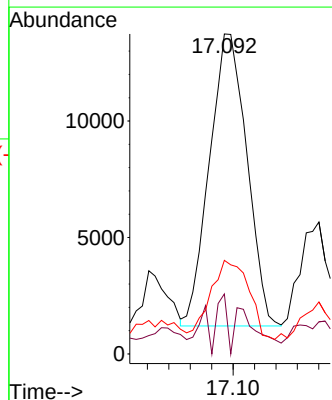
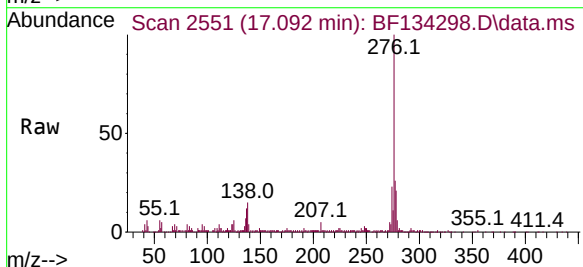
APPROVED

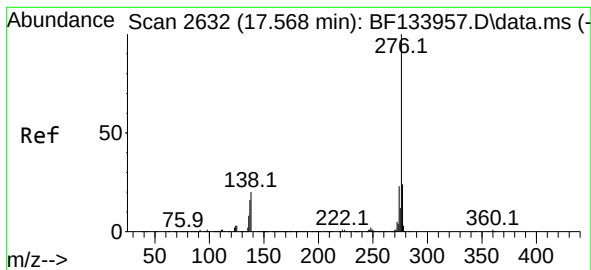
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.233 ng m
RT: 17.092 min Scan# 2551
Delta R.T. -0.017 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

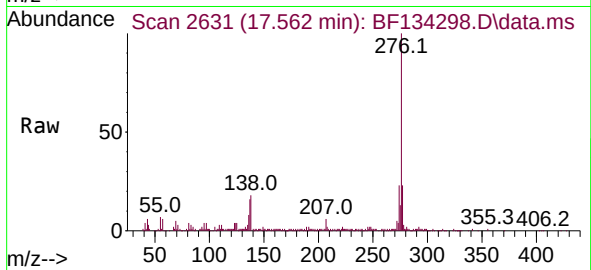
Tgt Ion:278 Resp: 30410
Ion Ratio Lower Upper
278 100
139 18.8 12.2 18.4#
279 29.3 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 13.048 ng
RT: 17.562 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134298.D
Acq: 14 Jul 2023 19:37

Instrument :
BNA_F
ClientSampleId :
NB-8-071223



Tgt Ion:276 Resp: 12657
Ion Ratio Lower Upper
276 100
277 23.1 19.0 28.6
138 18.1 16.2 24.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

