

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134134.D
 Acq On : 07 Jul 2023 12:57
 Operator : CG\JU
 Sample : 03492-04
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-TP2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/07/2023
 Supervised By :mohammad ahmed 07/09/2023

Quant Time: Jul 07 13:52:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	124130	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	508058	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	218416	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	374402	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	247678	20.000	ng	-0.01
86) Perylene-d12	15.545	264	232245	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	570365	76.862	ng	-0.01
7) Phenol-d6	6.481	99	800172	87.681	ng	-0.01
23) Nitrobenzene-d5	7.404	82	533586	56.614	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	240902	87.969	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	981269	65.318	ng	0.00
79) Terphenyl-d14	12.974	244	917334	59.609	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	226132	11.998	ng	99
72) Anthracene	11.451	178	58652	2.992	ng	98
75) Fluoranthene	12.598	202	573486	28.145	ng	99
78) Pyrene	12.827	202	520131	22.566	ng	99
81) Benzo(a)anthracene	14.027	228	319260	18.587	ng	96
83) Chrysene	14.063	228	256828	15.437	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	129686	8.047	ng	96
88) Benzo(b)fluoranthene	15.098	252	358629m	26.261	ng	
89) Benzo(k)fluoranthene	15.121	252	129167m	9.290	ng	
90) Benzo(a)pyrene	15.474	252	222822	16.874	ng	97
91) Dibenzo(a,h)anthracene	17.092	278	33499m	2.545	ng	
92) Benzo(g,h,i)perylene	17.551	276	118797	8.752	ng	97

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

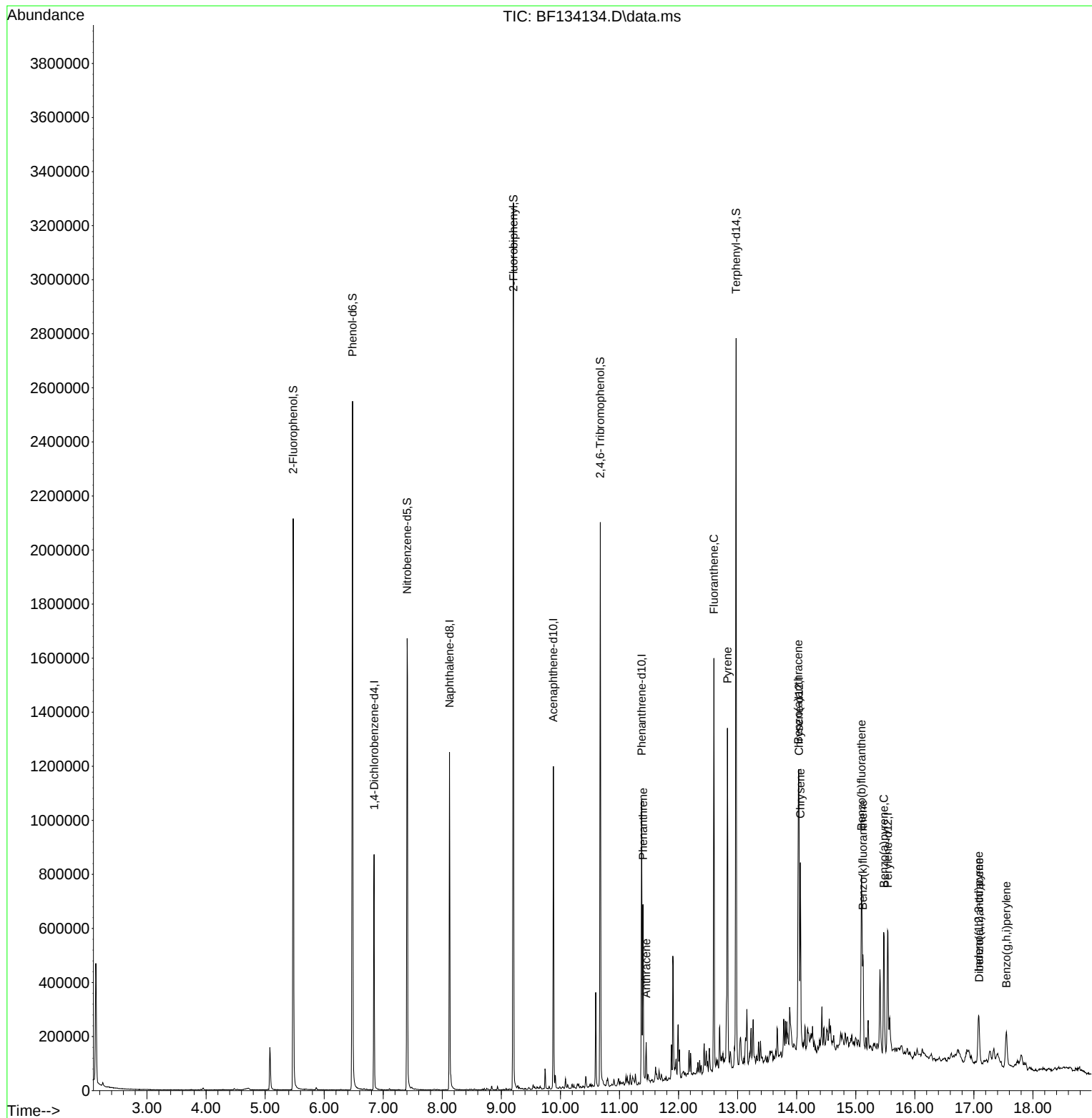
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134134.D
Acq On : 07 Jul 2023 12:57
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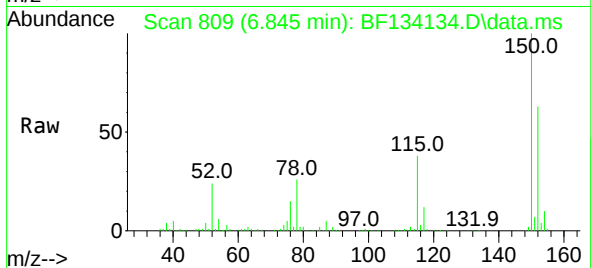
Quant Time: Jul 07 13:52:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 30 18:35:29 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

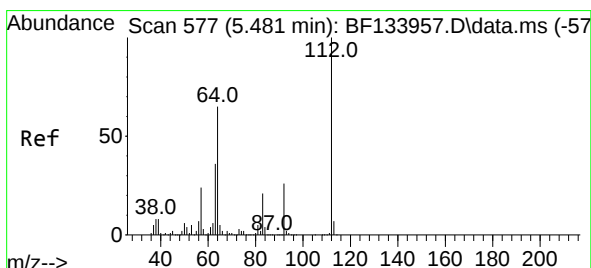
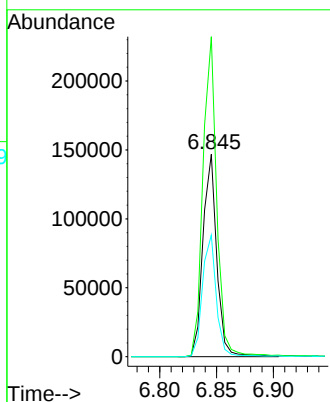
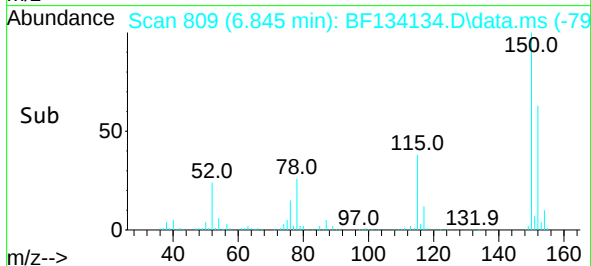
Instrument :
BNA_F
Client SampleId :
TB-TP2



Tgt Ion:152 Resp: 124130
Ion Ratio Lower Upper
152 100
150 158.2 124.5 186.7
115 60.1 50.2 75.2

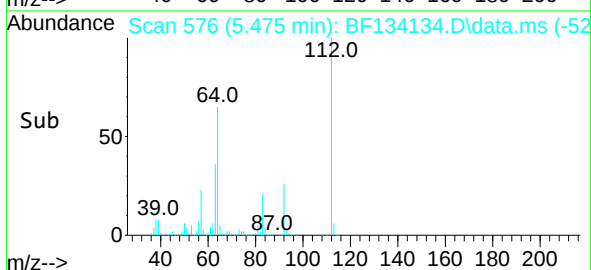
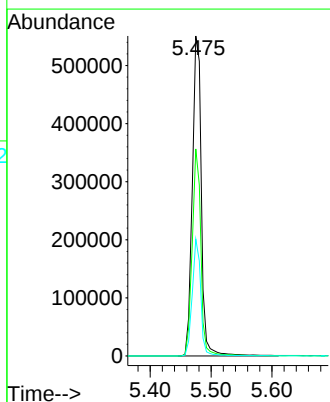
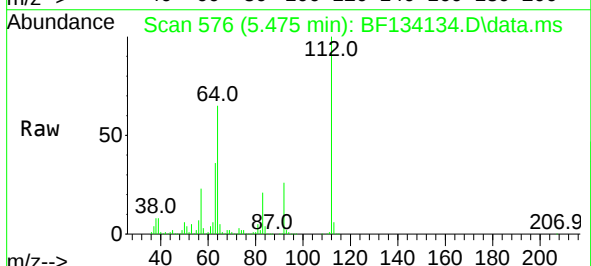
Manual Integrations
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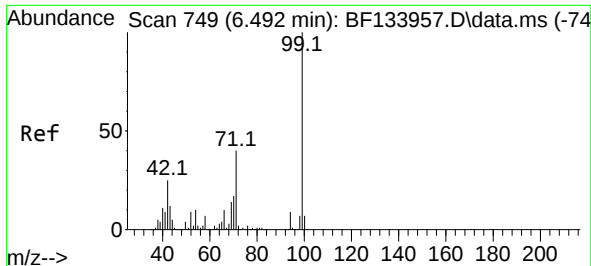
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#5
2-Fluorophenol
Concen: 76.862 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

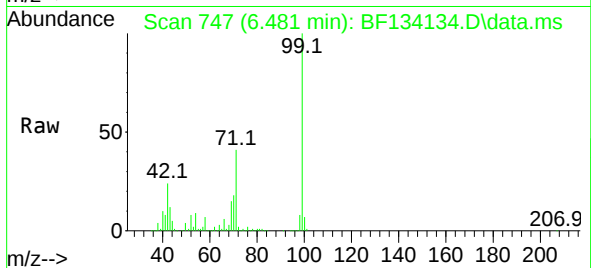
Tgt Ion:112 Resp: 570365
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 36.5 28.6 42.8





#7
Phenol-d6
Concen: 87.681 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

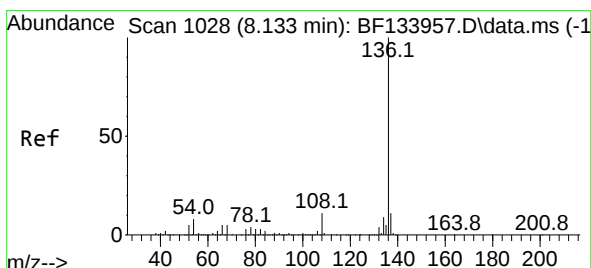
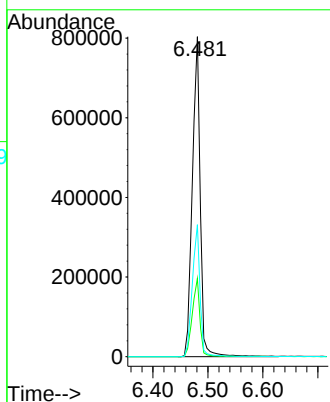
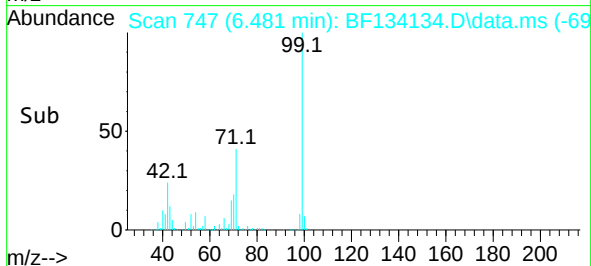
Instrument :
BNA_F
ClientSampleId :
TB-TP2



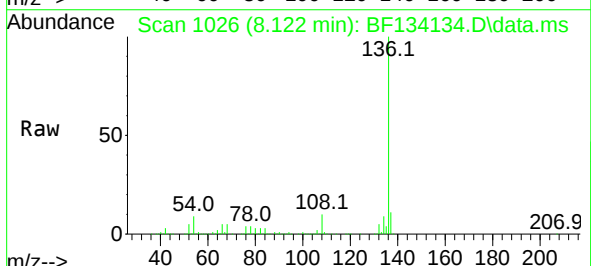
Tgt Ion: 99 Resp: 800172
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 41.3 31.9 47.9

Manual Integrations
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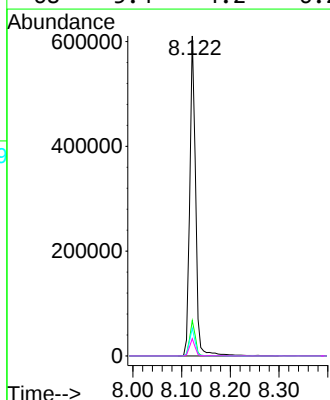
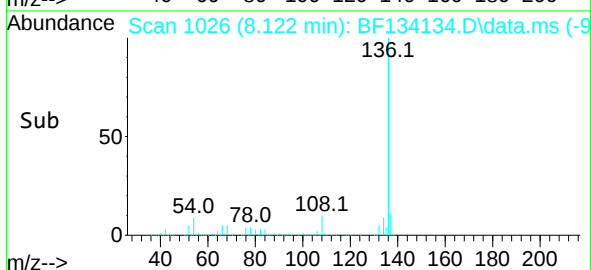
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023

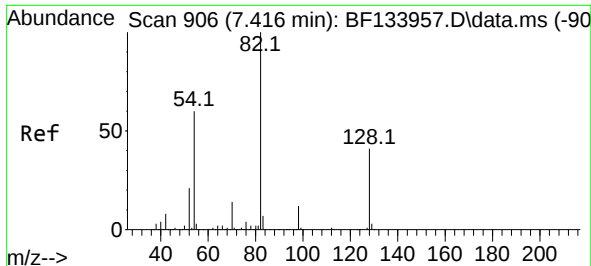


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57



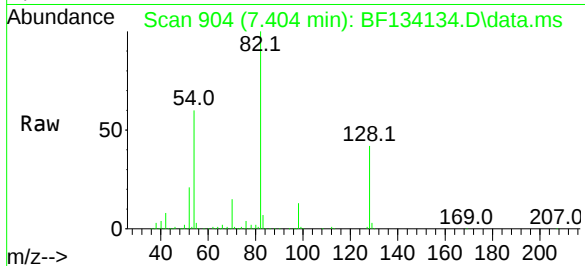
Tgt Ion:136 Resp: 508058
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.7 6.5 9.7
68 5.4 4.2 6.2





#23
Nitrobenzene-d5
Concen: 56.614 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

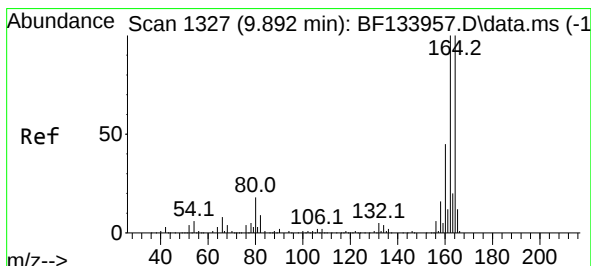
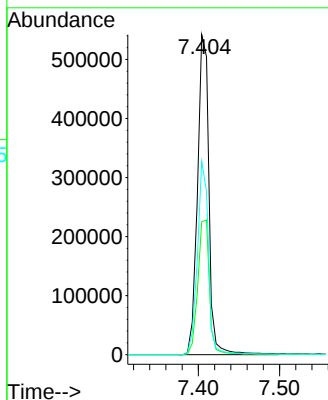
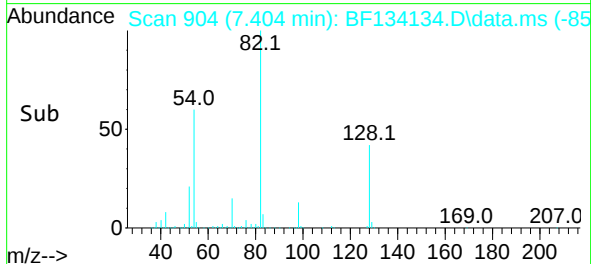
Instrument :
BNA_F
ClientSampleId :
TB-TP2



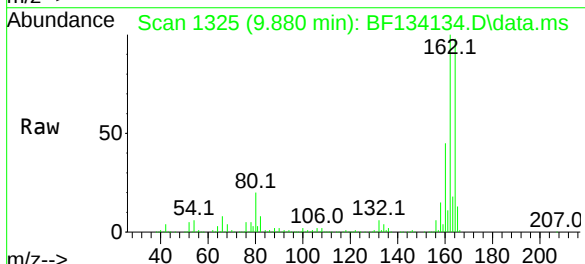
Tgt Ion: 82 Resp: 533580
Ion Ratio Lower Upper
82 100
128 41.5 32.5 48.7
54 60.4 48.2 72.2

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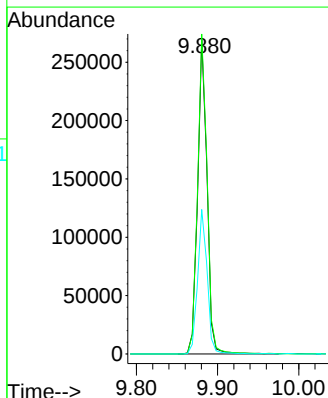
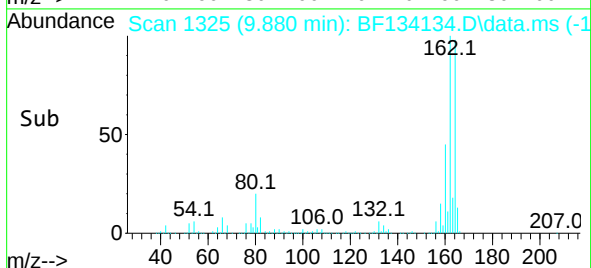
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57



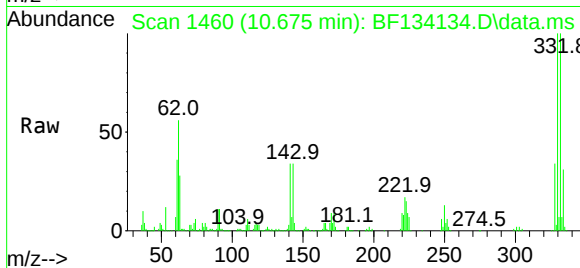
Tgt Ion:164 Resp: 218416
Ion Ratio Lower Upper
164 100
162 101.8 80.0 120.0
160 46.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 87.969 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

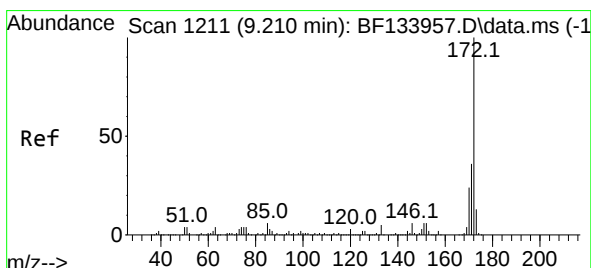
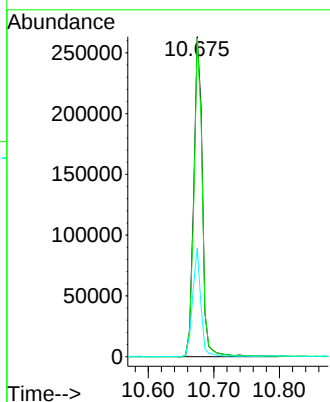
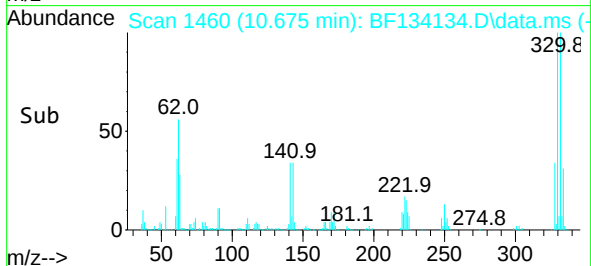
Instrument :
BNA_F
ClientSampleId :
TB-TP2



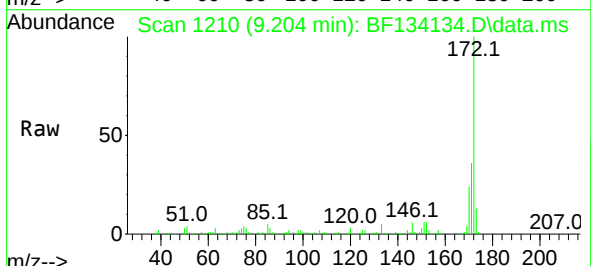
Tgt Ion: 330 Resp: 240902
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 32.5 26.3 39.5

Manual Integrations
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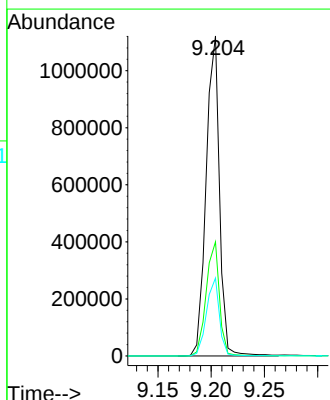
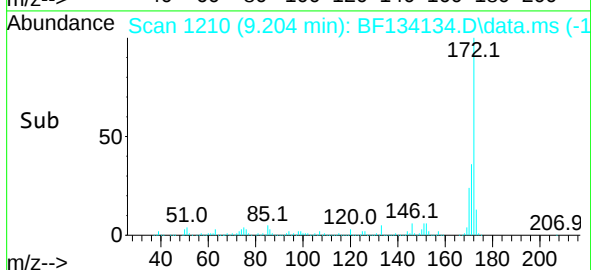
Reviewed By :Yogesh Patel 07/07/2023
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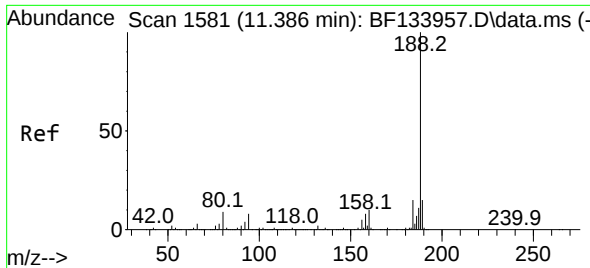


#45
2-Fluorobiphenyl
Concen: 65.318 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57



Tgt Ion: 172 Resp: 981269
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 24.4 19.4 29.0





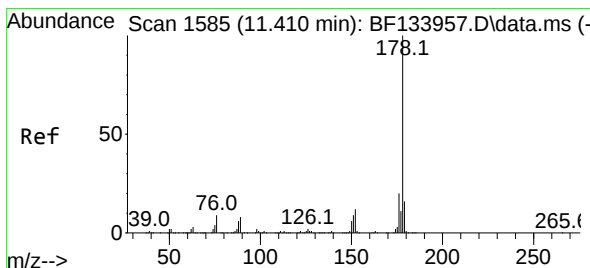
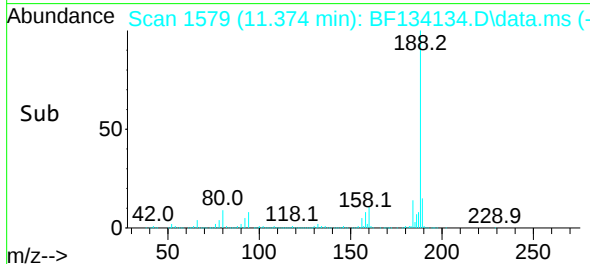
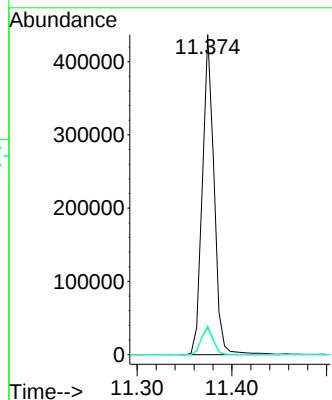
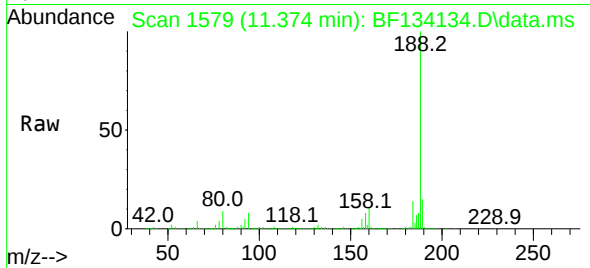
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

Instrument :
BNA_F
ClientSampleId :
TB-TP2

Tgt Ion:188 Resp: 37440
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 9.0 7.3 10.9

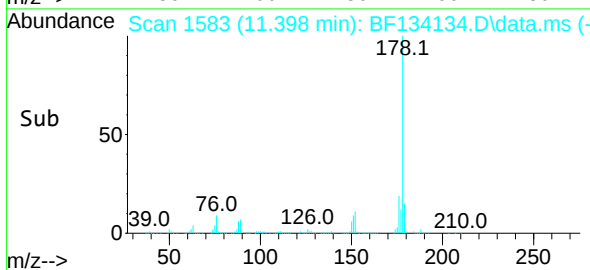
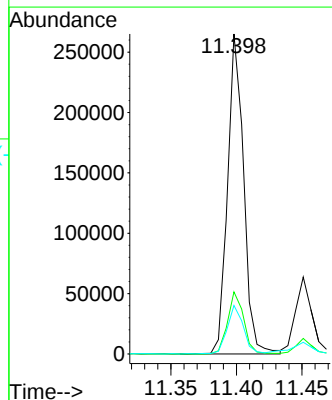
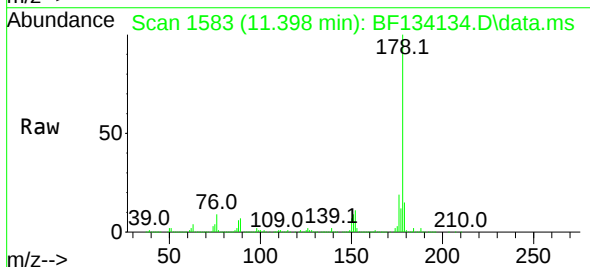
Manual Integrations
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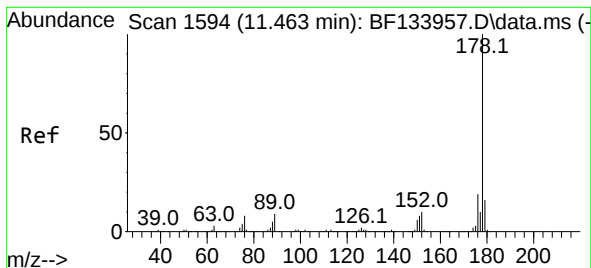
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#71
Phenanthrene
Concen: 11.998 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

Tgt Ion:178 Resp: 226132
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.2 12.4 18.6





#72

Anthracene

Concen: 2.992 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134134.D

Acq: 07 Jul 2023 12:57

Instrument :

BNA_F

ClientSampleId :

TB-TP2

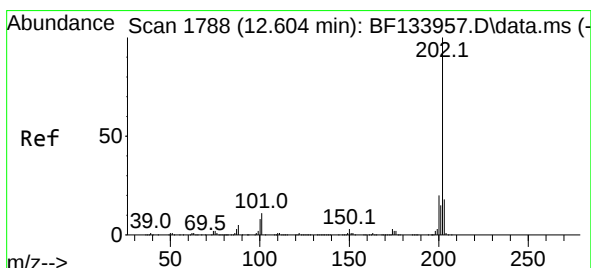
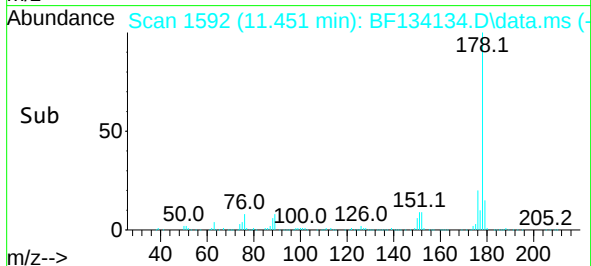
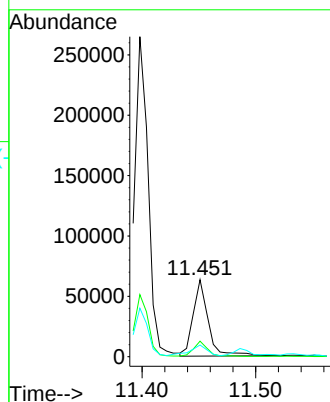
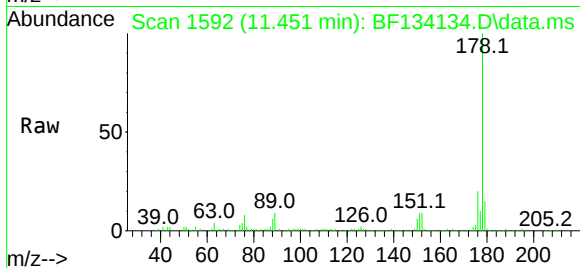
Tgt Ion:178 Resp: 58652
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.3 22.9
 179 15.3 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/07/2023

Supervised By :mohammad ahmed 07/09/2023



#75

Fluoranthene

Concen: 28.145 ng

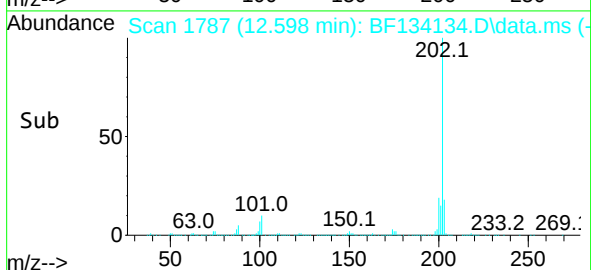
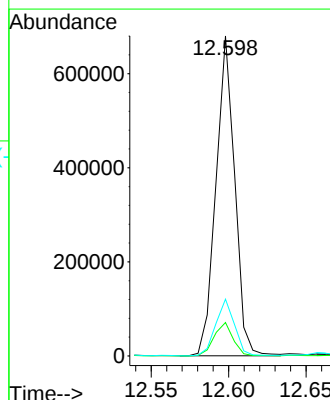
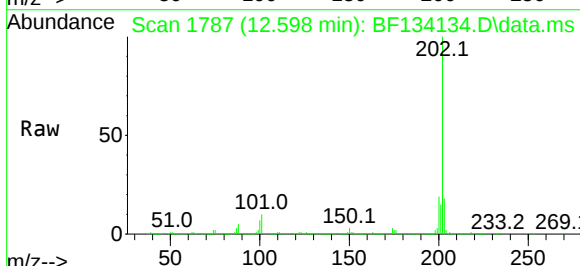
RT: 12.598 min Scan# 1787

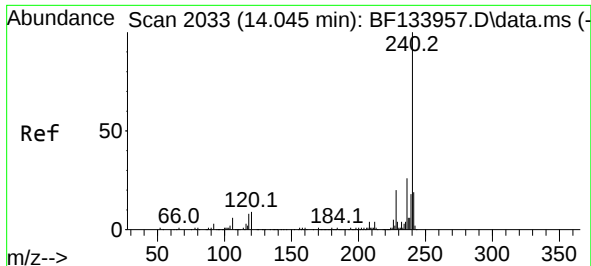
Delta R.T. -0.012 min

Lab File: BF134134.D

Acq: 07 Jul 2023 12:57

Tgt Ion:202 Resp: 573486
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.0
 203 17.7 0.0 37.6





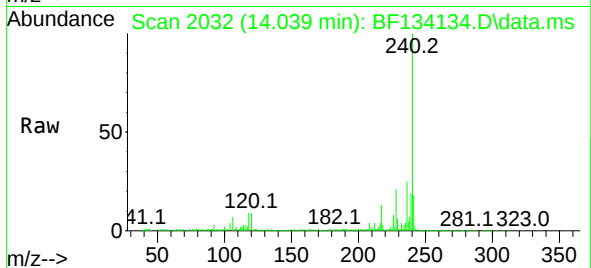
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

Instrument :

BNA_F

ClientSampleId :

TB-TP2



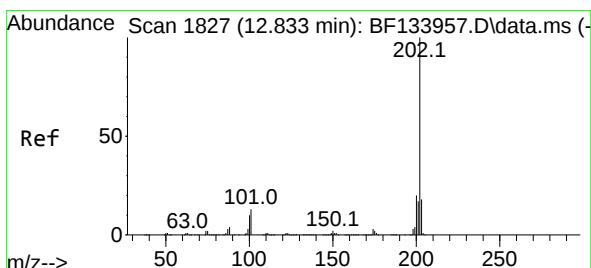
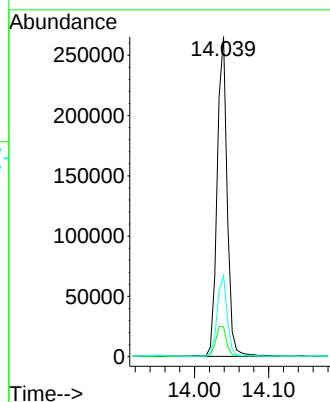
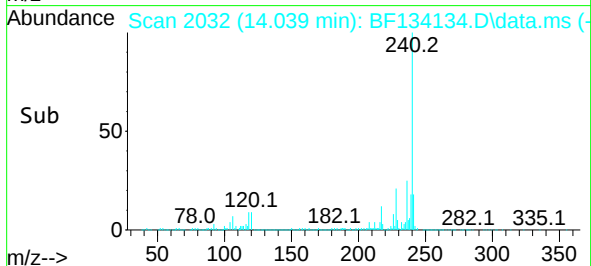
Tgt Ion:240 Resp: 247678
Ion Ratio Lower Upper
240 100
120 9.3 7.4 11.0
236 25.3 21.0 31.6

Manual Integrations

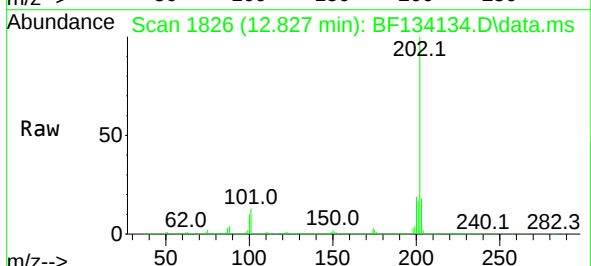
APPROVED

Reviewed By :Yogesh Patel 07/07/2023

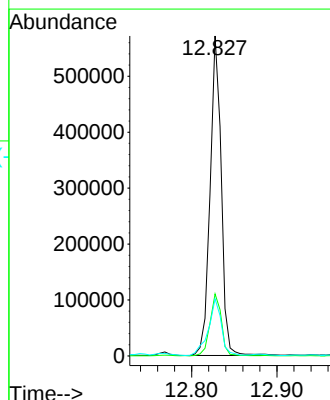
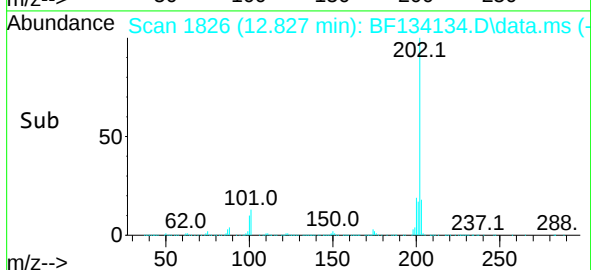
Supervised By :mohammad ahmed 07/09/2023

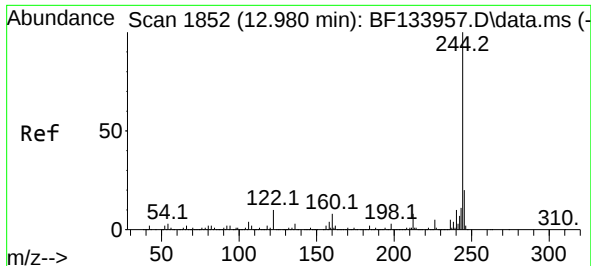


#78
Pyrene
Concen: 22.566 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57



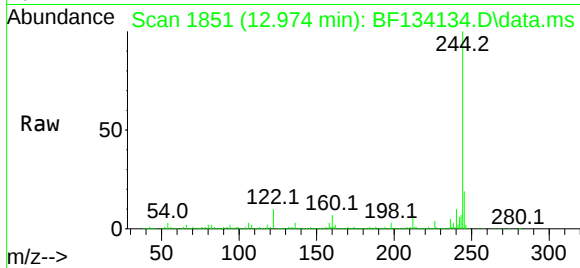
Tgt Ion:202 Resp: 520131
Ion Ratio Lower Upper
202 100
200 19.4 16.1 24.1
203 17.9 14.3 21.5





#79
 Terphenyl-d14
 Concen: 59.609 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134134.D
 Acq: 07 Jul 2023 12:57

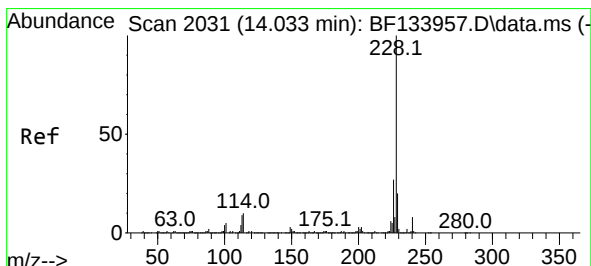
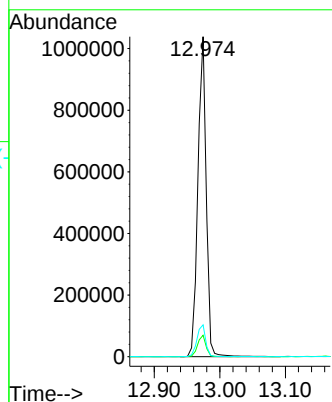
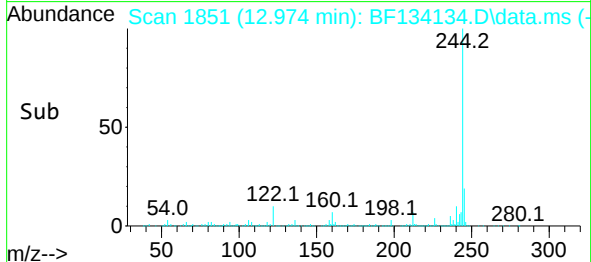
Instrument :
 BNA_F
 ClientSampleId :
 TB-TP2



Tgt Ion:244 Resp: 917334
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 10.0 8.3 12.5

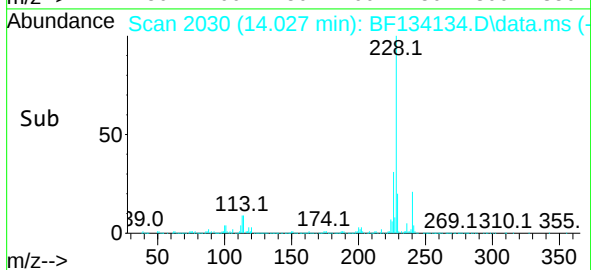
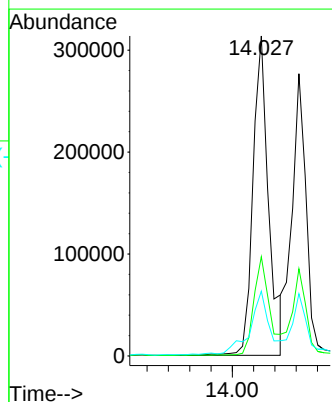
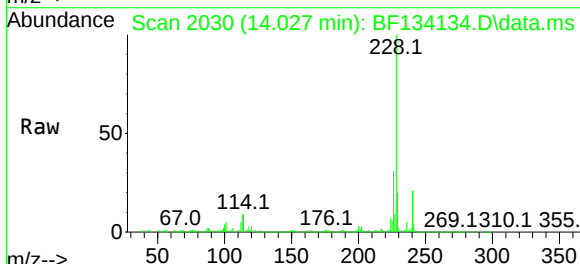
Manual Integrations
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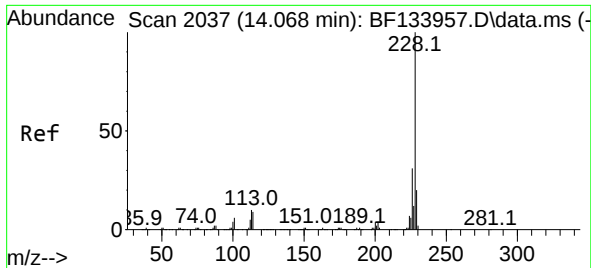
Reviewed By :Yogesh Patel 07/07/2023
 Supervised By :mohammad ahmed 07/09/2023



#81
 Benzo(a)anthracene
 Concen: 18.587 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.012 min
 Lab File: BF134134.D
 Acq: 07 Jul 2023 12:57

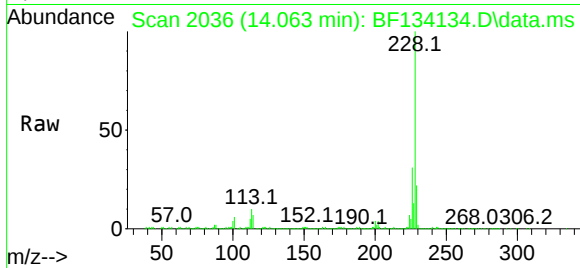
Tgt Ion:228 Resp: 319260
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.0 33.0
 229 20.3 16.3 24.5





#83
Chrysene
Concen: 15.437 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

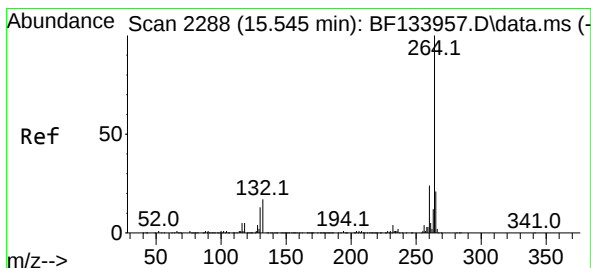
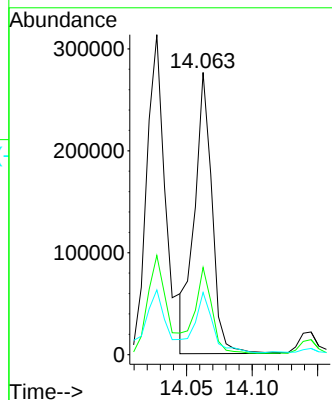
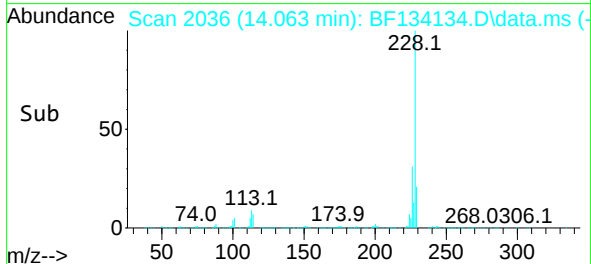
Instrument :
BNA_F
ClientSampleId :
TB-TP2



Tgt Ion:228 Resp: 256828
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 22.1 16.1 24.1

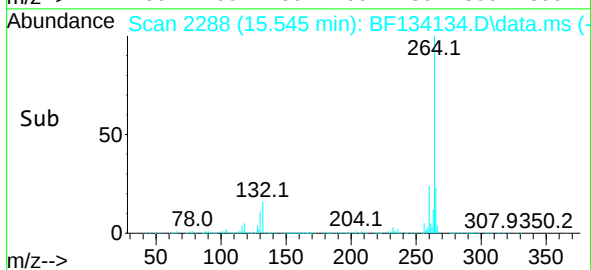
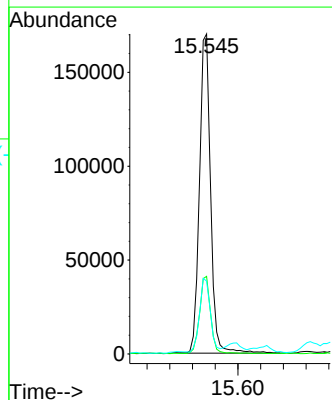
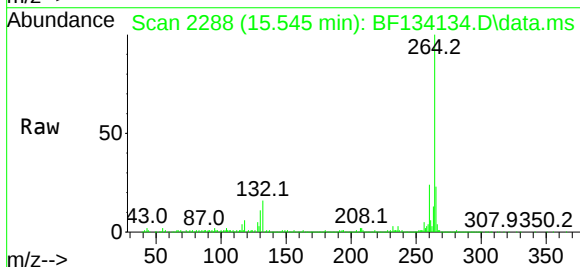
Manual Integrations
APPROVED

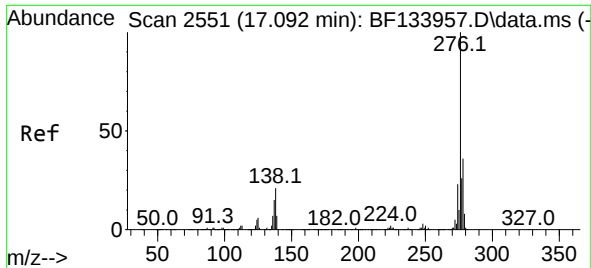
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

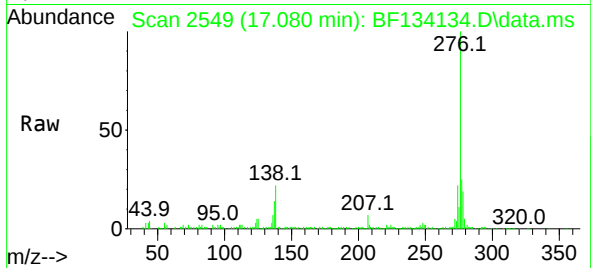
Tgt Ion:264 Resp: 232245
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.7 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.047 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

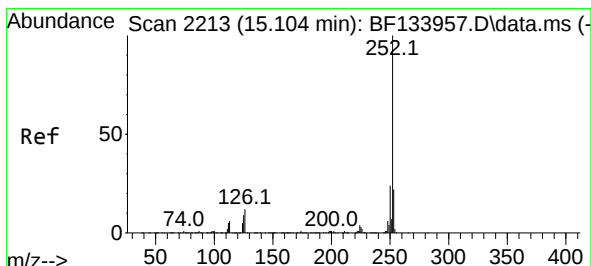
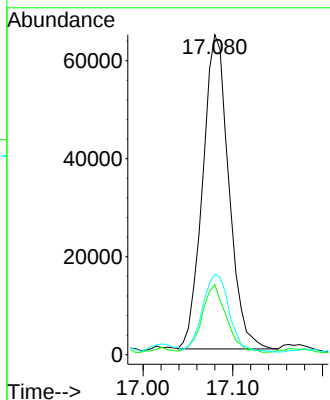
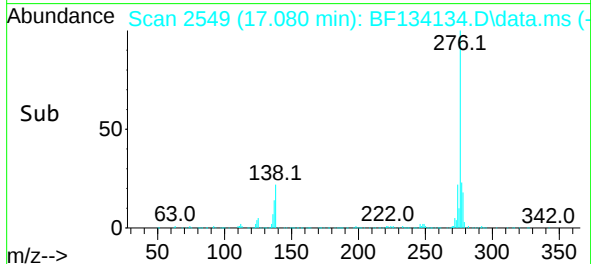
Instrument :
BNA_F
ClientSampleId :
TB-TP2



Tgt Ion:276 Resp: 129680
Ion Ratio Lower Upper
276 100
138 19.8 18.7 28.1
277 25.3 19.9 29.9

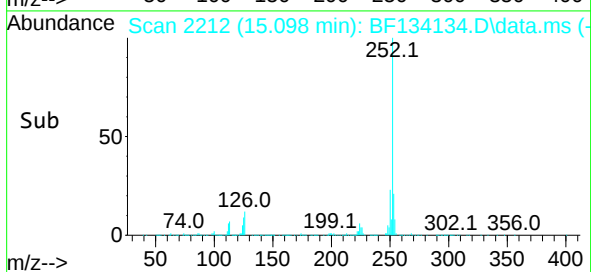
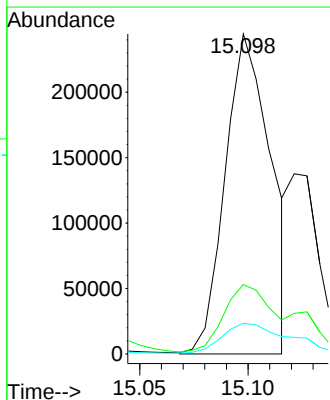
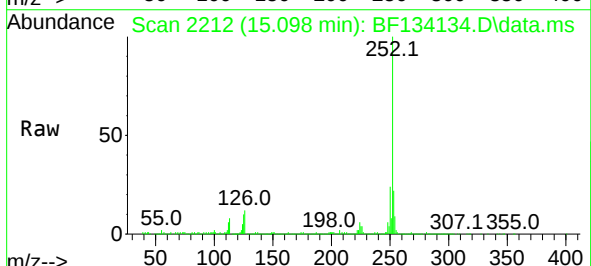
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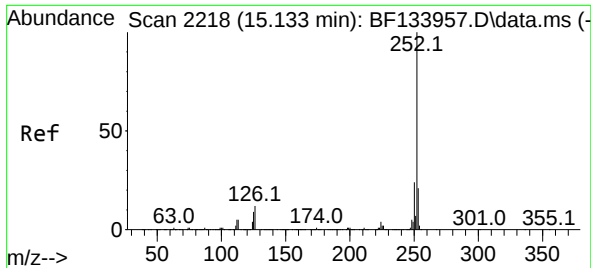
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#88
Benzo(b)fluoranthene
Concen: 26.261 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

Tgt Ion:252 Resp: 358629
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 9.6 7.1 10.7





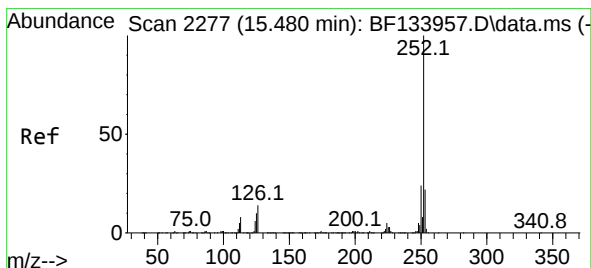
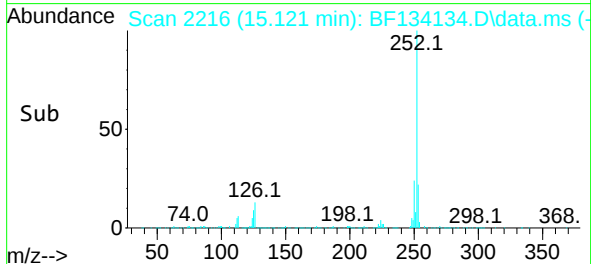
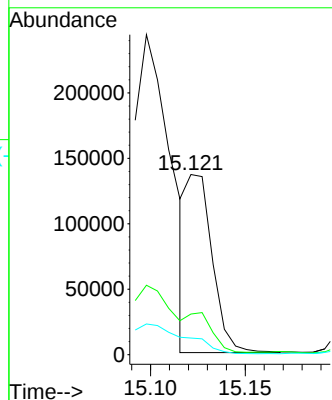
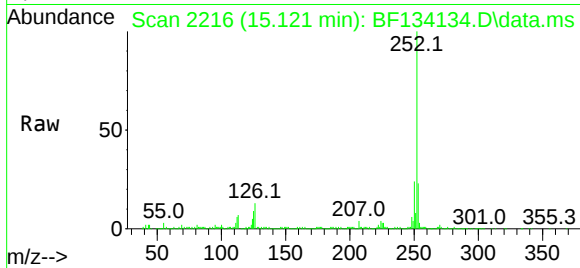
#89
Benzo(k)fluoranthene
Concen: 9.290 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

Instrument :
BNA_F
ClientSampleId :
TB-TP2

Tgt Ion:252 Resp: 12916
Ion Ratio Lower Upper
252 100
253 22.6 16.9 25.3
125 9.3 7.4 11.2

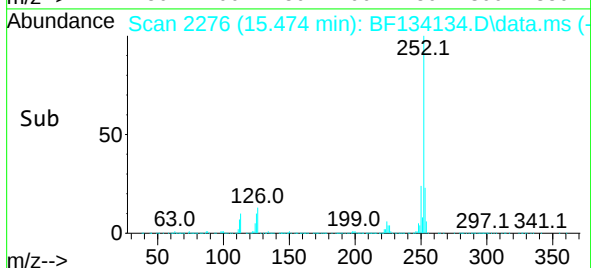
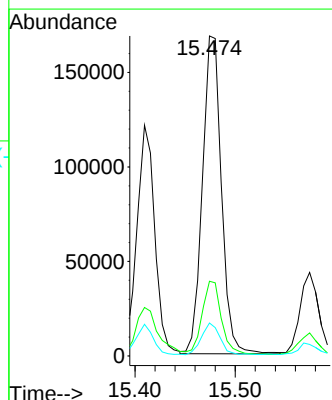
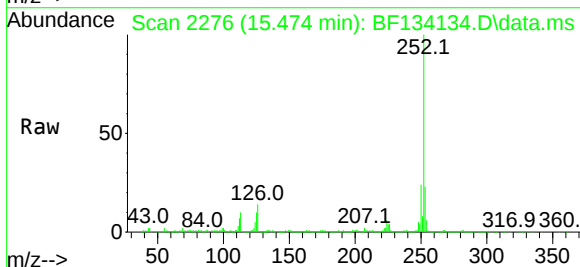
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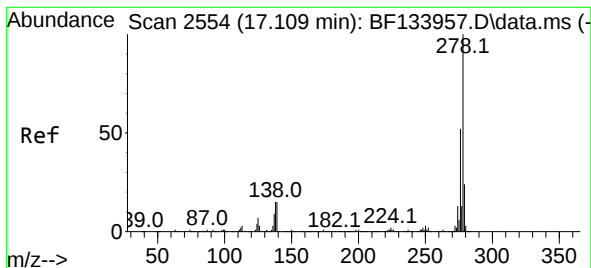
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#90
Benzo(a)pyrene
Concen: 16.874 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BF134134.D
Acq: 07 Jul 2023 12:57

Tgt Ion:252 Resp: 222822
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 10.3 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.545 ng m

RT: 17.092 min Scan# 2

Delta R.T. -0.035 min

Lab File: BF134134.D

Acq: 07 Jul 2023 12:57

Instrument :

BNA_F

ClientSampleId :

TB-TP2

Tgt Ion:278 Resp: 3349

Ion Ratio Lower Upper

278 100

139 16.9 12.2 18.4

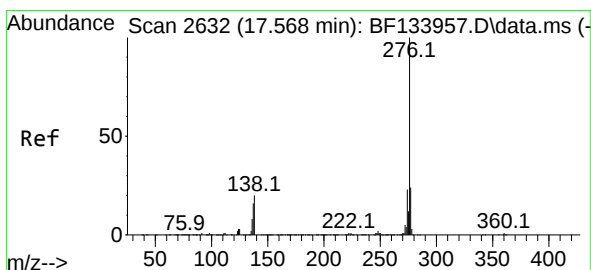
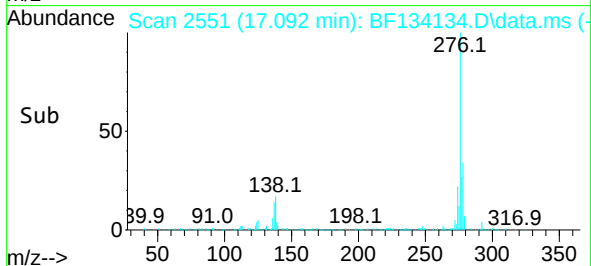
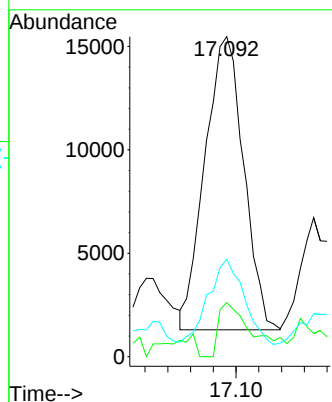
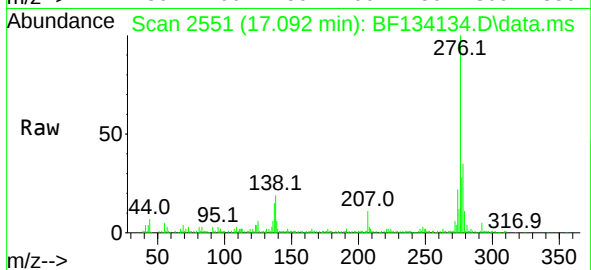
279 30.5 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/07/2023

Supervised By :mohammad ahmed 07/09/2023



#92

Benzo(g,h,i)perylene

Concen: 8.752 ng

RT: 17.551 min Scan# 2629

Delta R.T. -0.029 min

Lab File: BF134134.D

Acq: 07 Jul 2023 12:57

Tgt Ion:276 Resp: 118797

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.6

138 18.3 16.2 24.2

