

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134610.D
 Acq On : 03 Aug 2023 14:37
 Operator : CG\JU
 Sample : 03598-12DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-57-(5-7)DL

Quant Time: Aug 04 01:08:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/04/2023
 Supervised By :mohammad ahmed 08/04/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	148338	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	526575	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	226327	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	422201	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	224491	20.000	ng	# 0.01
86) Perylene-d12	15.445	264	197927	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	42532	4.358	ng	0.00
7) Phenol-d6	6.422	99	85078	6.820	ng	0.00
23) Nitrobenzene-d5	7.351	82	40554	4.813	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	10207	4.424	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	85663	6.293	ng	0.00
79) Terphenyl-d14	12.916	244	87736	6.890	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.792	142	41220	2.350	ng	96
38) 1-Methylnaphthalene	8.886	142	56371	3.456	ng	99
52) Acenaphthene	9.863	154	77998	5.806	ng	99
58) Fluorene	10.380	166	64855	4.656	ng	94
71) Phenanthrene	11.351	178	1440657	64.242	ng	100
72) Anthracene	11.398	178	196550	8.580	ng	99
75) Fluoranthene	12.539	202	621501	26.236	ng	95
78) Pyrene	12.774	202	888957	45.762	ng	98
81) Benzo(a)anthracene	13.963	228	253738m	15.807	ng	
83) Chrysene	13.998	228	217028	13.877	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	378332	32.501	ng	# 87
88) Benzo(b)fluoranthene	15.015	252	128520m	10.647	ng	
89) Benzo(k)fluoranthene	15.039	252	40153m	3.339	ng	
90) Benzo(a)pyrene	15.380	252	92187	8.191	ng	# 87
91) Dibenzo(a,h)anthracene	16.945	278	72837	7.743	ng	# 69
92) Benzo(g,h,i)perylene	17.392	276	643079	67.014	ng	# 89

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

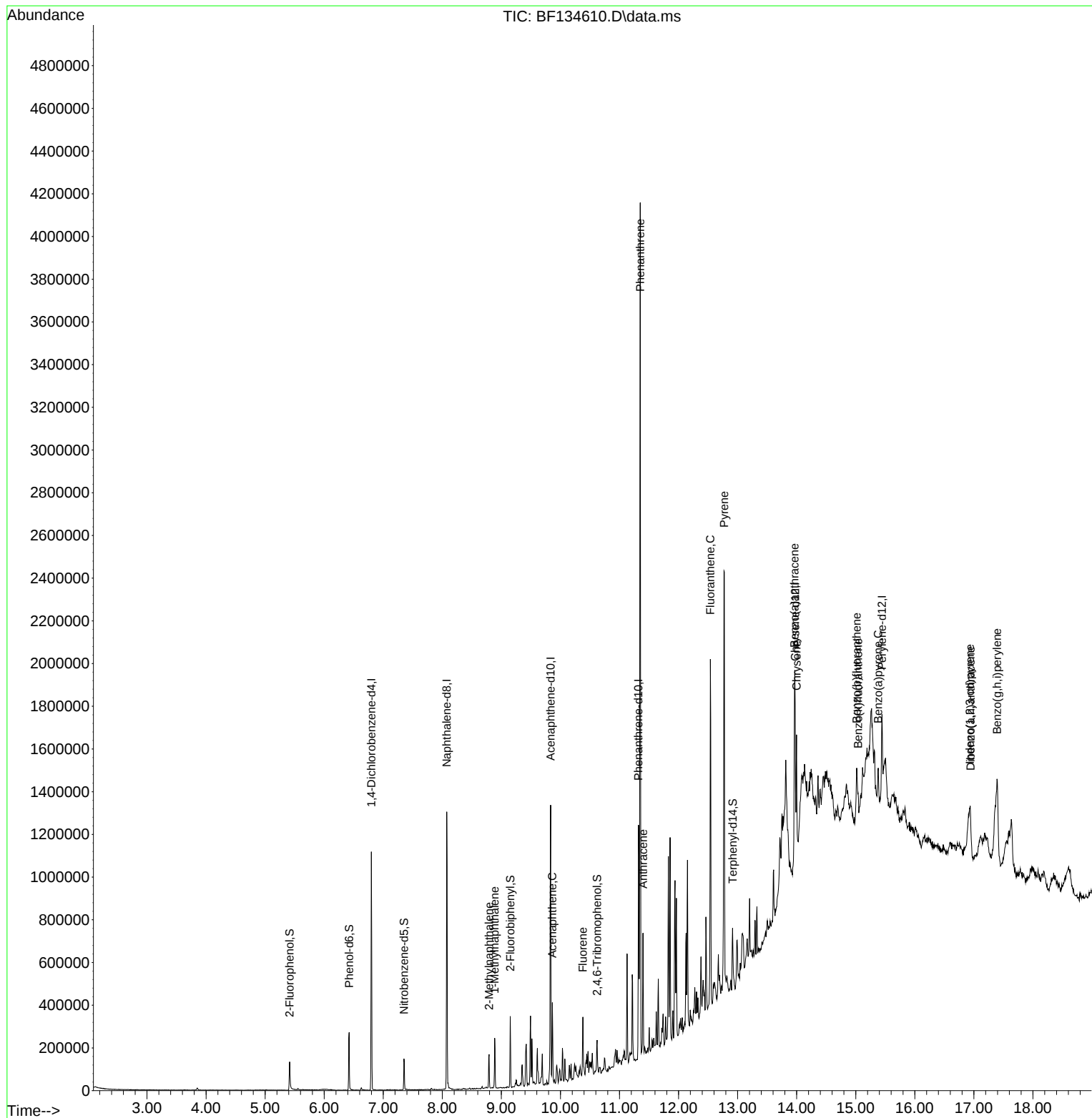
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Data File : BF134610.D
Acq On : 03 Aug 2023 14:37
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Sample : 03598-12DL 10X
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ALS Vial : 13 Sample Multiplier: 1

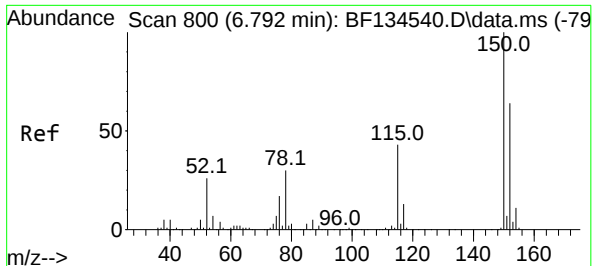
Instrument :
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ClientSampleId :
RB-57-(5-7)DL

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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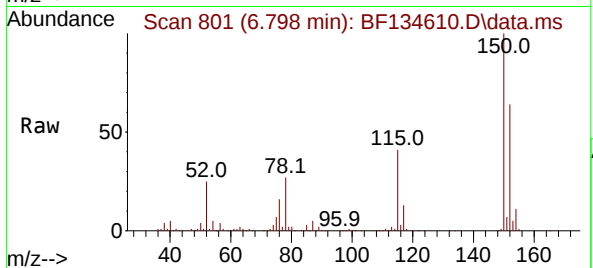
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

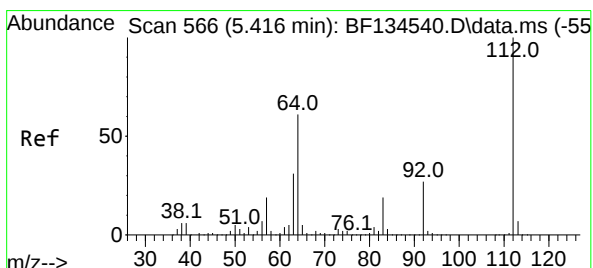
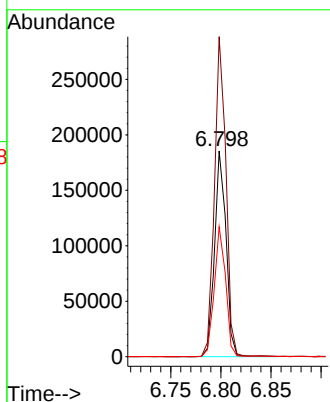
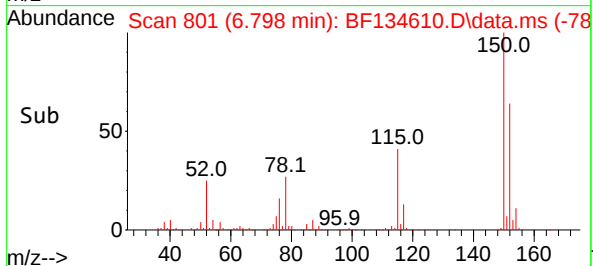


Tgt Ion:152 Resp: 148338
Ion Ratio Lower Upper
152 100
150 155.5 128.3 192.5
115 63.1 52.4 78.6

Manual Integrations

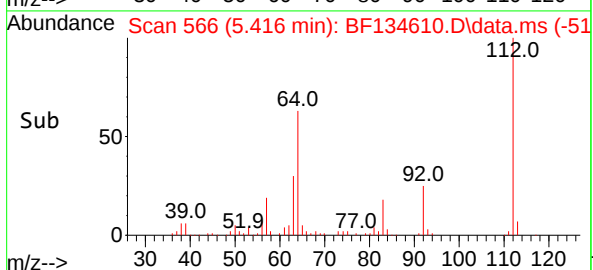
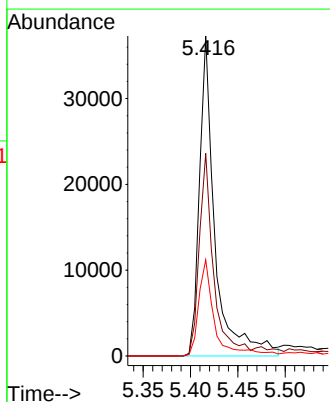
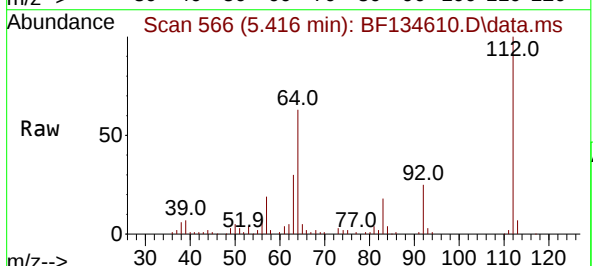
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Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#5
2-Fluorophenol
Concen: 4.358 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

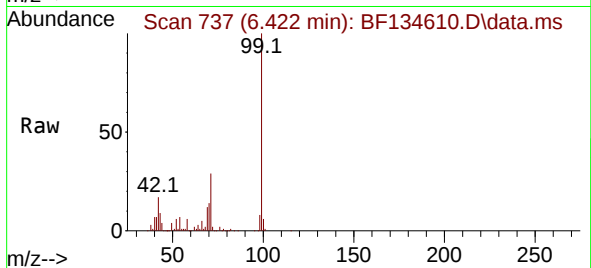
Tgt Ion:112 Resp: 42532
Ion Ratio Lower Upper
112 100
64 63.3 44.9 67.3
63 30.0 25.4 38.0





#7
Phenol-d6
Concen: 6.820 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

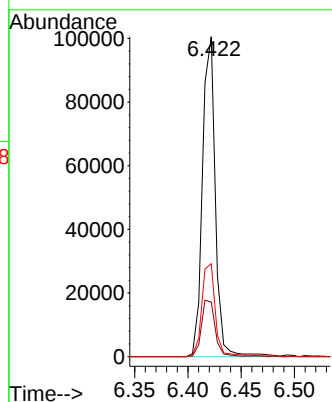
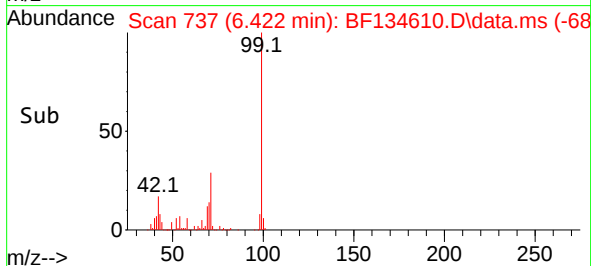
Instrument :
BNA_F
Client Sample Id :
RB-57-(5-7)DL



Tgt Ion: 99 Resp: 85078
Ion Ratio Lower Upper
99 100
42 17.0 18.7 28.1#
71 29.0 36.4 54.6#

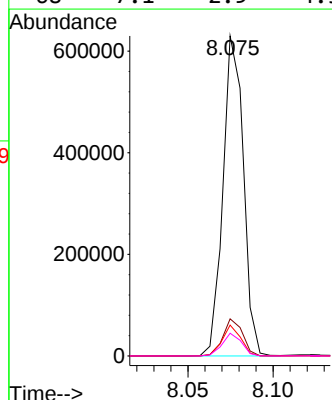
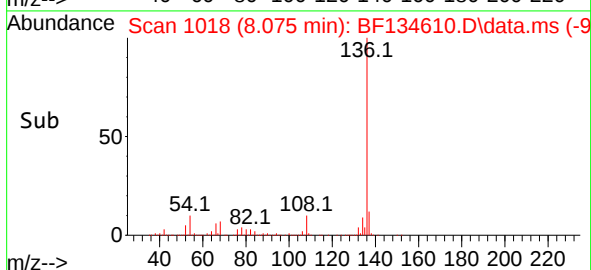
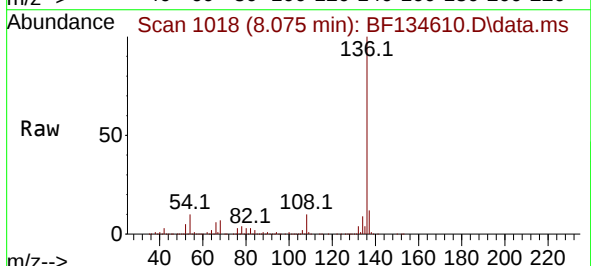
Manual Integrations
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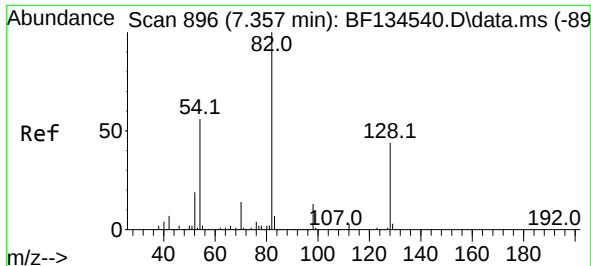
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Tgt Ion:136 Resp: 526575
Ion Ratio Lower Upper
136 100
137 11.6 8.4 12.6
54 9.7 5.2 7.8#
68 7.1 2.9 4.3#





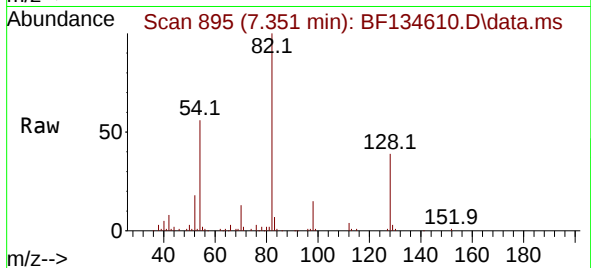
#23
Nitrobenzene-d5
Concen: 4.813 ng
RT: 7.351 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

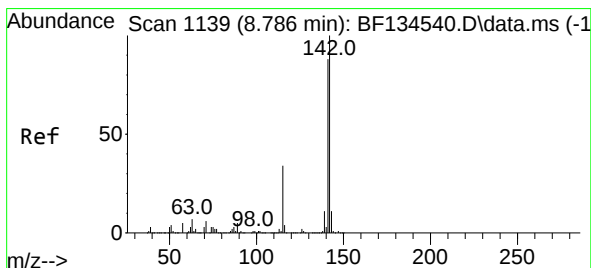
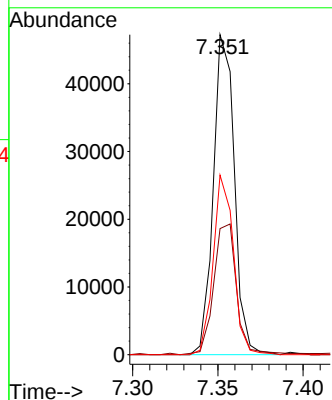
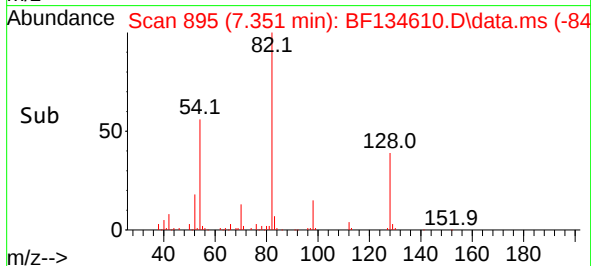


Tgt Ion: 82 Resp: 40554
Ion Ratio Lower Upper
82 100
128 39.4 34.3 51.5
54 56.1 43.8 65.6

Manual Integrations

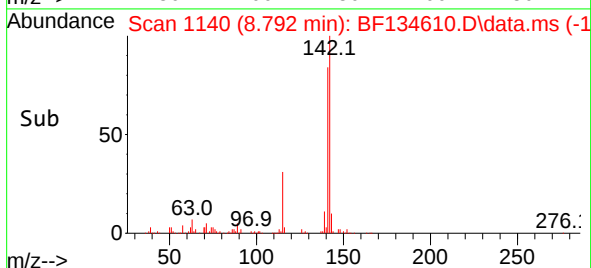
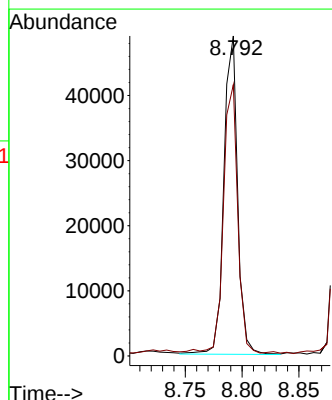
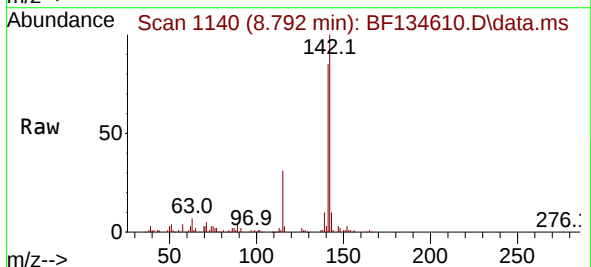
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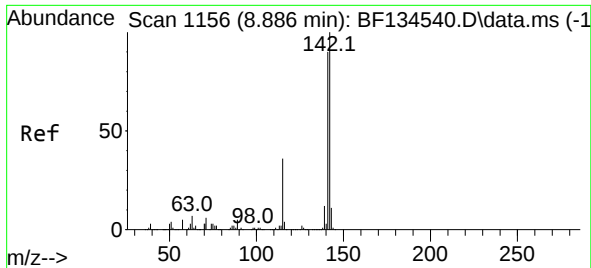
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#37
2-Methylnaphthalene
Concen: 2.350 ng
RT: 8.792 min Scan# 1140
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Tgt Ion:142 Resp: 41220
Ion Ratio Lower Upper
142 100
141 84.7 70.8 106.2





#38
1-Methylnaphthalene
Concen: 3.456 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Instrument :

BNA_F

ClientSampleId :

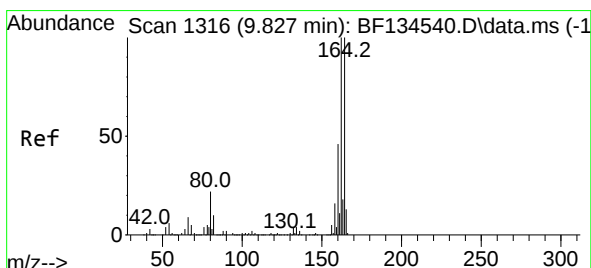
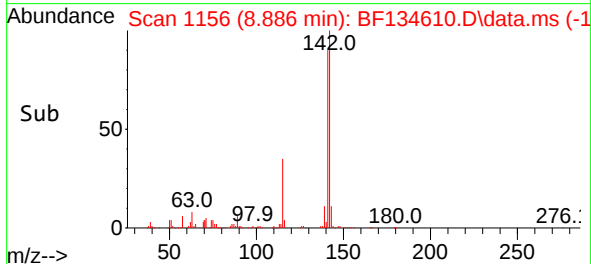
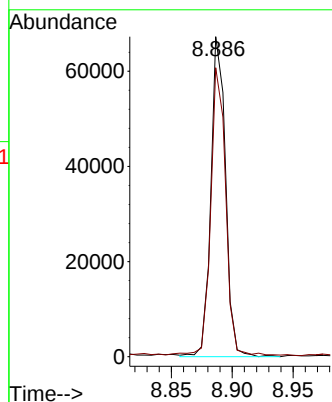
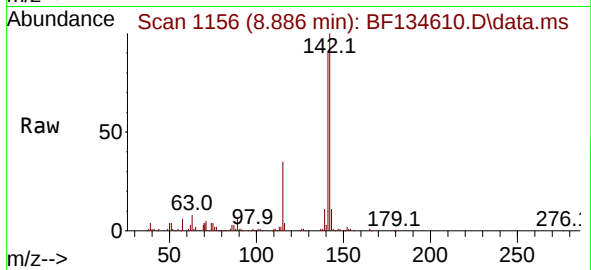
RB-57-(5-7)DL

Tgt Ion:142 Resp: 5637
Ion Ratio Lower Upper
142 100
141 90.3 71.4 107.2

Manual Integrations

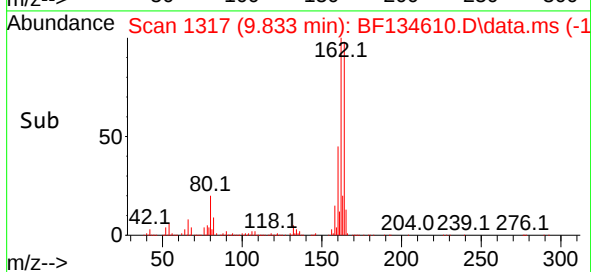
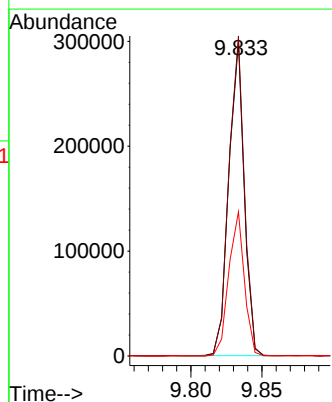
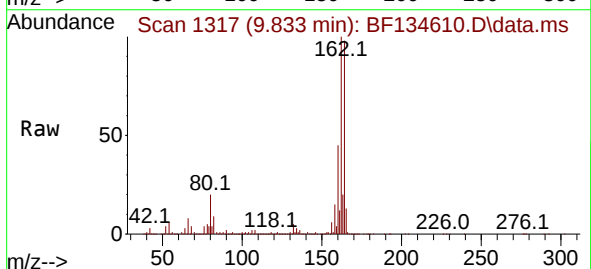
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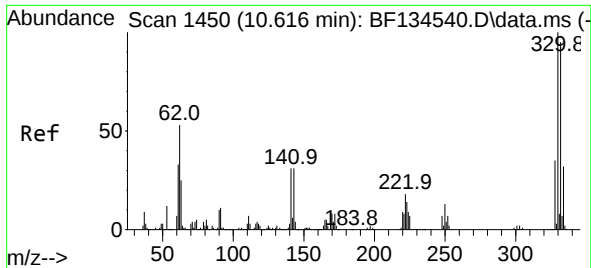
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Tgt Ion:164 Resp: 226327
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 46.0 37.2 55.8





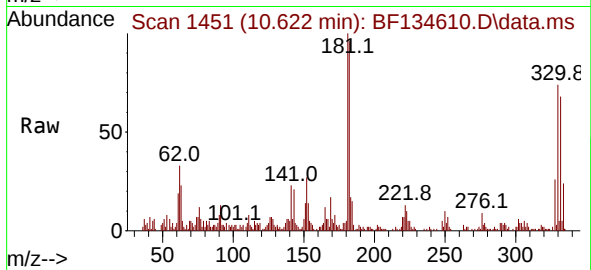
#42
2,4,6-Tribromophenol
Concen: 4.424 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

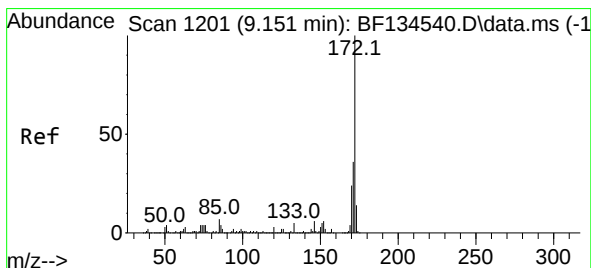
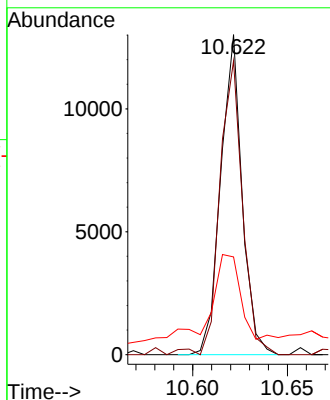
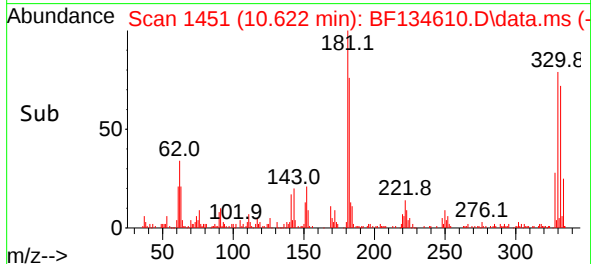


Tgt Ion:330 Resp: 1020
Ion Ratio Lower Upper
330 100
332 97.5 78.8 118.2
141 44.9 25.4 38.2

Manual Integrations

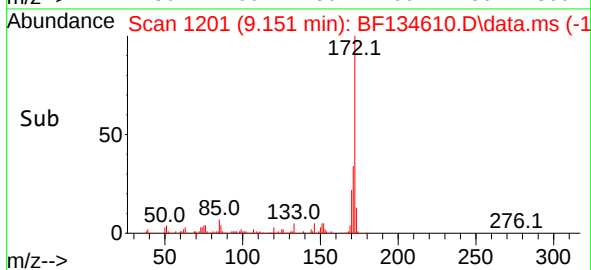
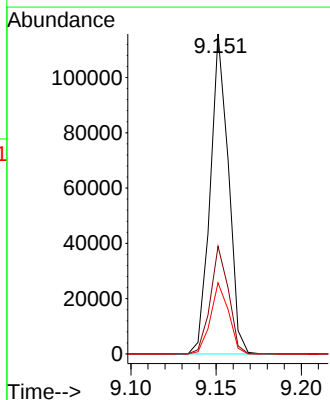
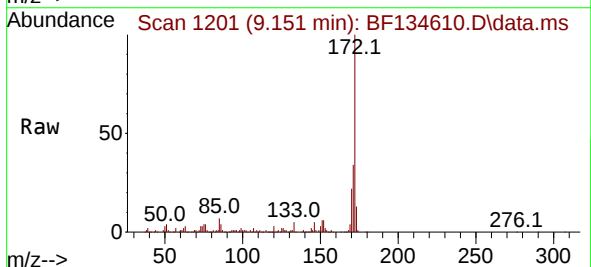
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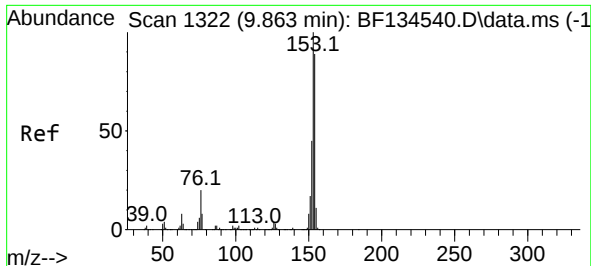
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#45
2-Fluorobiphenyl
Concen: 6.293 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

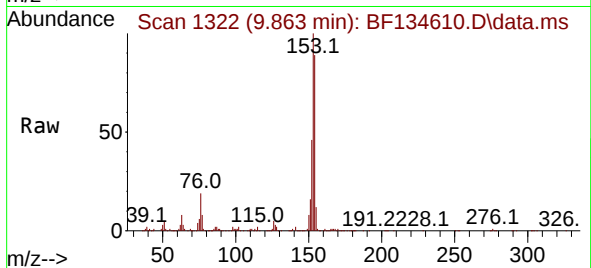
Tgt Ion:172 Resp: 85663
Ion Ratio Lower Upper
172 100
171 33.7 28.8 43.2
170 22.3 18.7 28.1





#52
Acenaphthene
Concen: 5.806 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

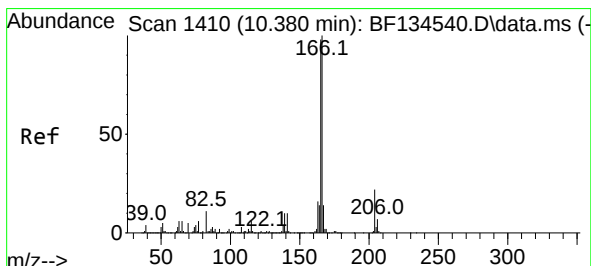
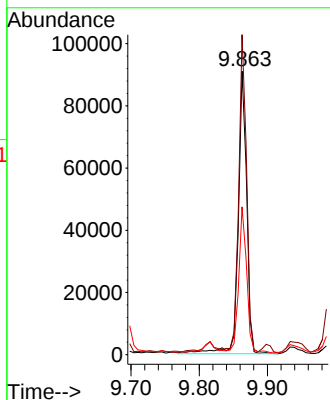
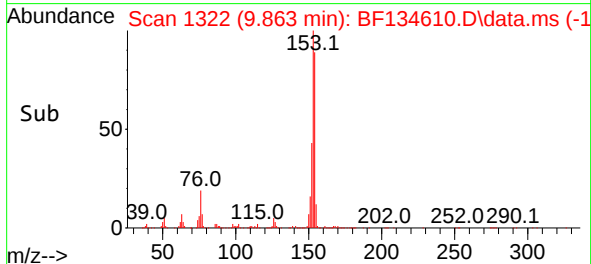
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL



Tgt Ion:154 Resp: 77998
Ion Ratio Lower Upper
154 100
153 112.9 90.0 135.0
152 52.2 42.4 63.6

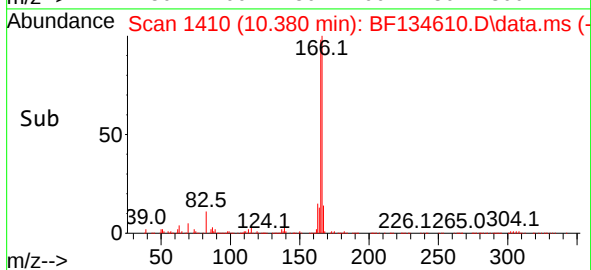
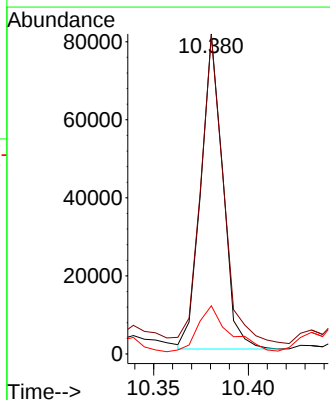
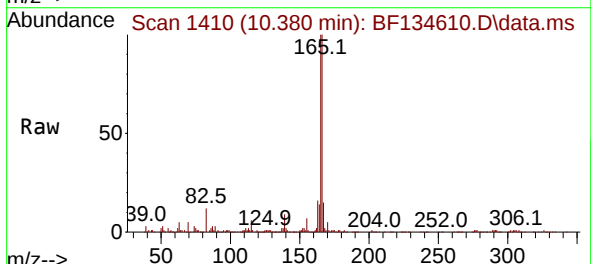
Manual Integrations
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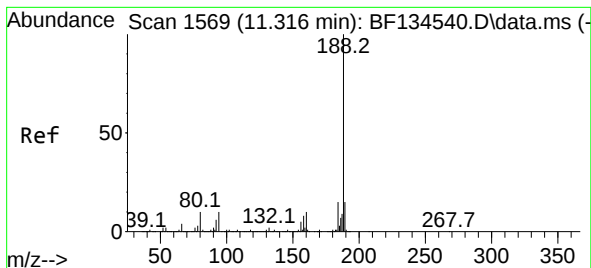
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#58
Fluorene
Concen: 4.656 ng
RT: 10.380 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Tgt Ion:166 Resp: 64855
Ion Ratio Lower Upper
166 100
165 99.6 74.5 111.7
167 15.0 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Instrument :

BNA_F

ClientSampleId :

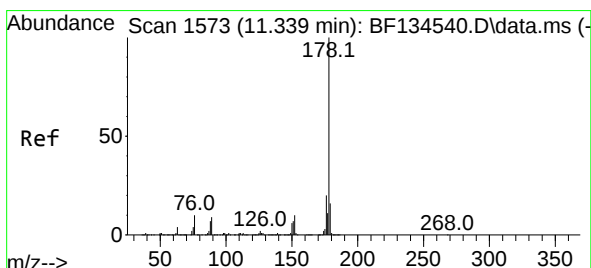
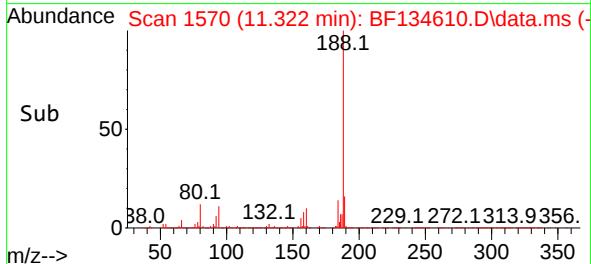
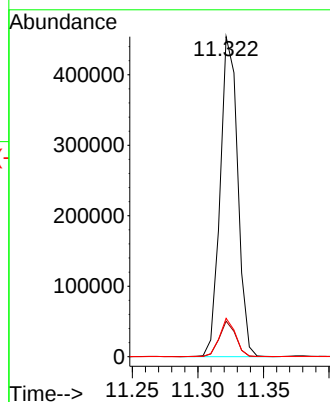
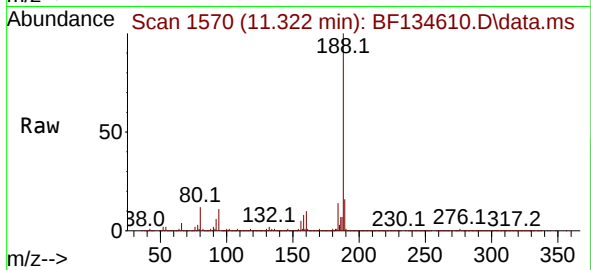
RB-57-(5-7)DL

Tgt Ion:188 Resp: 42220
Ion Ratio Lower Upper
188 100
94 11.1 5.1 7.7
80 12.0 6.6 9.8

Manual Integrations

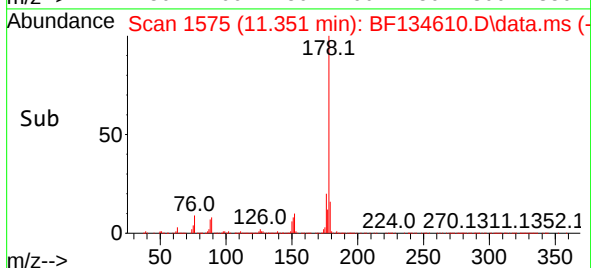
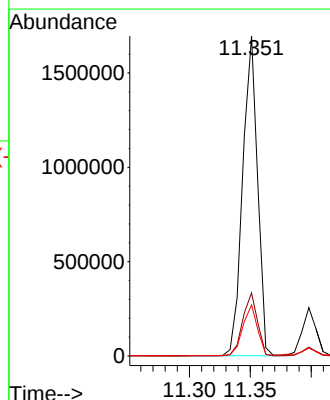
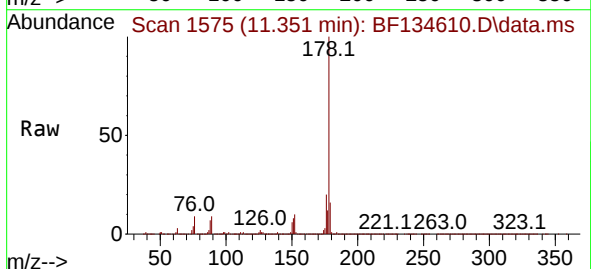
APPROVED

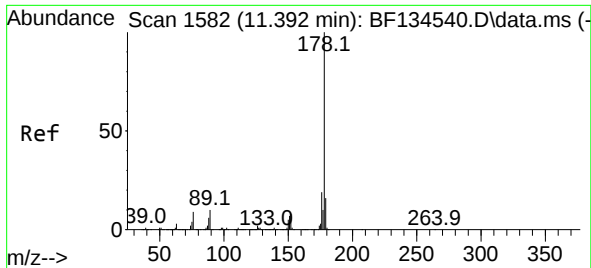
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#71
Phenanthrene
Concen: 64.242 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.012 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

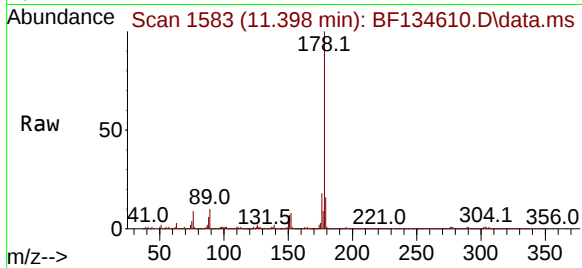
Tgt Ion:178 Resp: 1440657
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.9 12.7 19.1





#72
 Anthracene
 Concen: 8.580 ng
 RT: 11.398 min Scan# 1139
 Delta R.T. 0.006 min
 Lab File: BF134610.D
 Acq: 03 Aug 2023 14:37

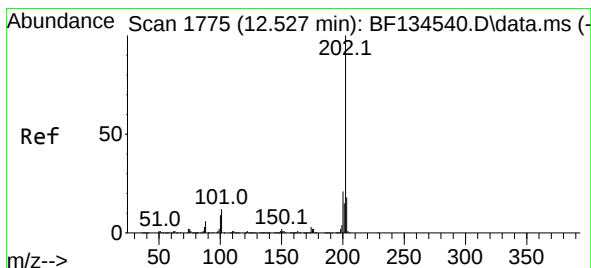
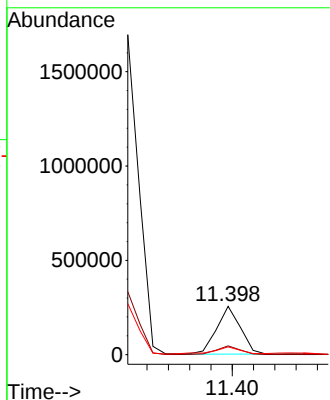
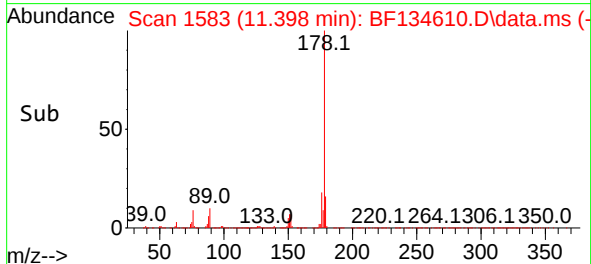
Instrument :
 BNA_F
 ClientSampleId :
 RB-57-(5-7)DL



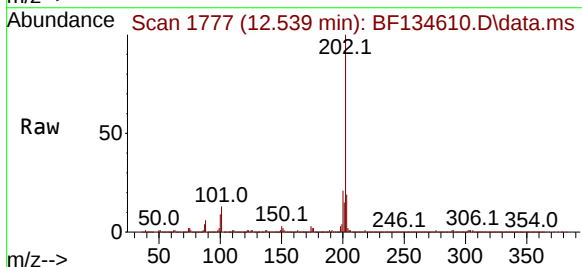
Tgt Ion:178 Resp: 196550
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 21.8
 179 16.3 12.3 18.5

Manual Integrations
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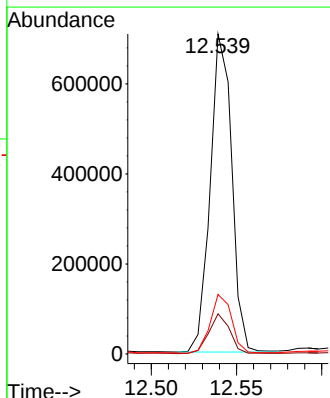
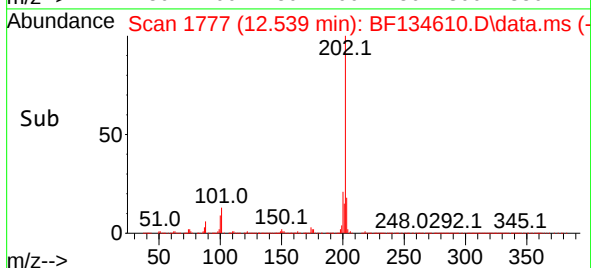
Reviewed By :Yogesh Patel 08/04/2023
 Supervised By :mohammad ahmed 08/04/2023

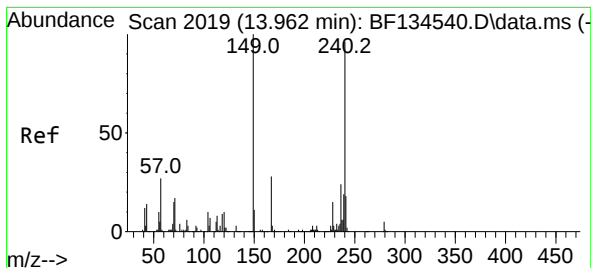


#75
 Fluoranthene
 Concen: 26.236 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.012 min
 Lab File: BF134610.D
 Acq: 03 Aug 2023 14:37



Tgt Ion:202 Resp: 621501
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 28.5
 203 18.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2019

Delta R.T. 0.012 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:37

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

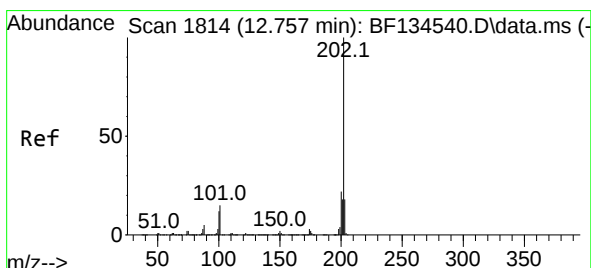
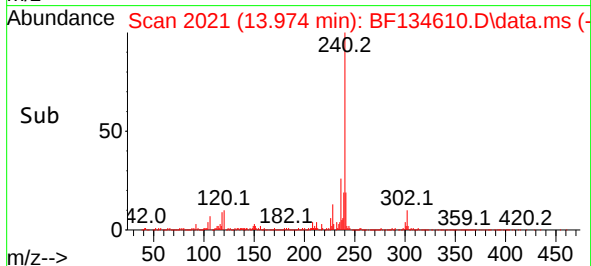
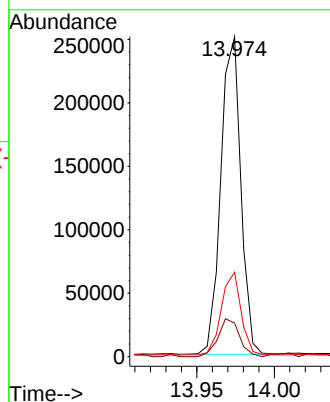
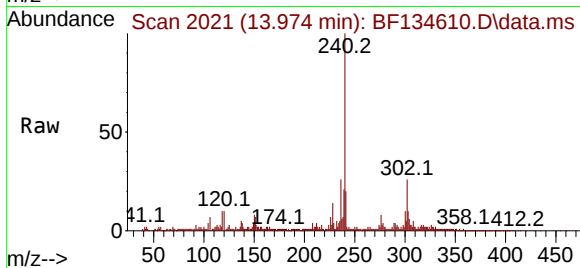
Tgt Ion:240 Resp: 22449
 Ion Ratio Lower Upper
 240 100
 120 10.5 6.6 10.0
 236 26.4 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#78

Pyrene

Concen: 45.762 ng

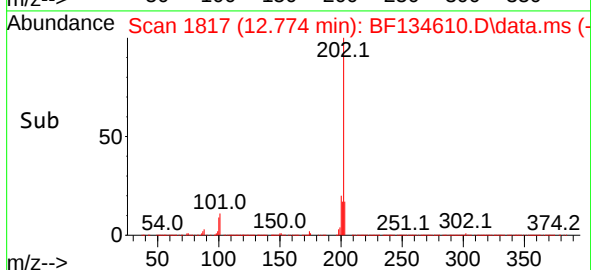
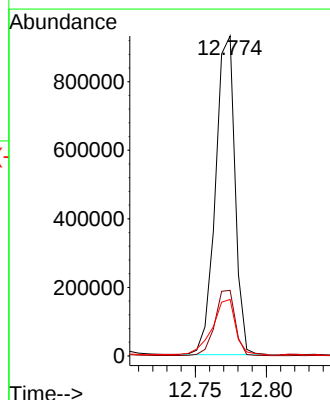
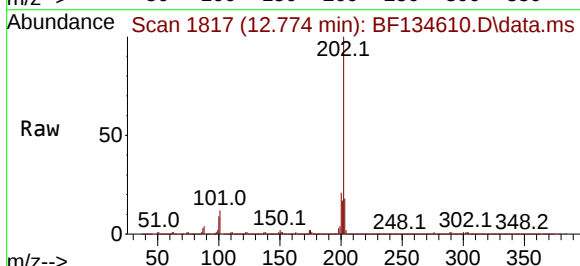
RT: 12.774 min Scan# 1817

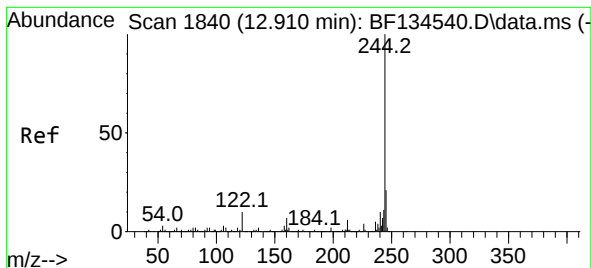
Delta R.T. 0.018 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:37

Tgt Ion:202 Resp: 888957
 Ion Ratio Lower Upper
 202 100
 200 20.5 15.8 23.8
 203 17.7 13.5 20.3





#79

Terphenyl-d14

Concen: 6.890 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.006 min

Lab File: BF134610.D

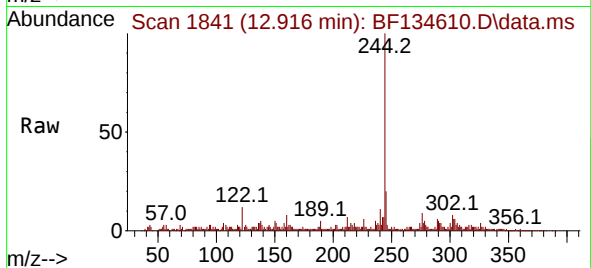
Acq: 03 Aug 2023 14:37

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL



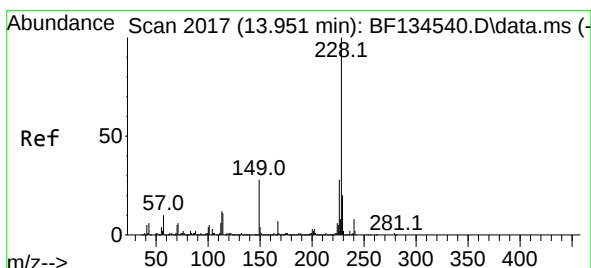
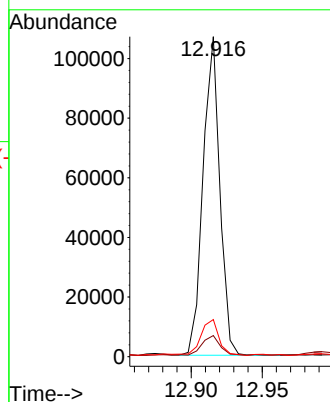
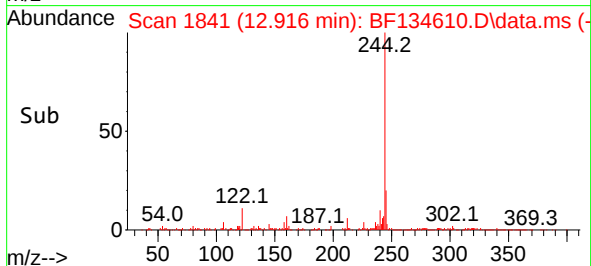
Tgt Ion:	244	Resp:	87730
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.6	8.4
122	11.6	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#81

Benzo(a)anthracene

Concen: 15.807 ng m

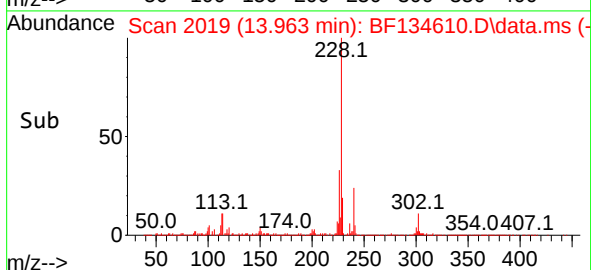
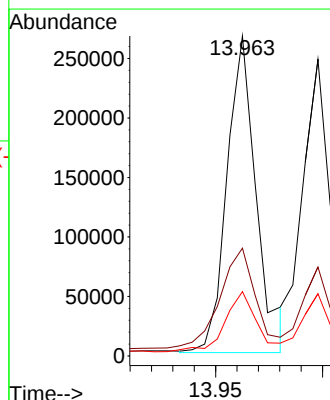
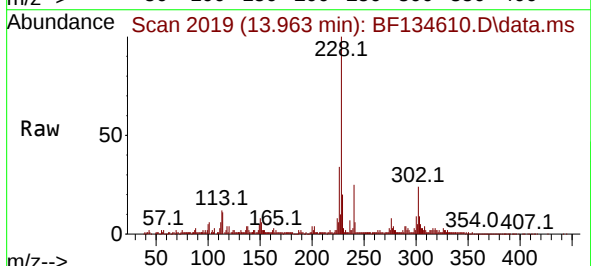
RT: 13.963 min Scan# 2019

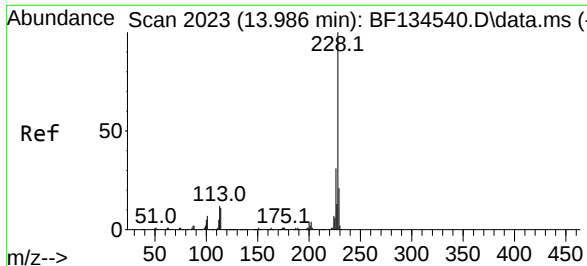
Delta R.T. 0.012 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:37

Tgt Ion:	228	Resp:	253738
Ion Ratio	Lower	Upper	
228	100		
226	33.7	22.3	33.5
229	20.1	15.8	23.6





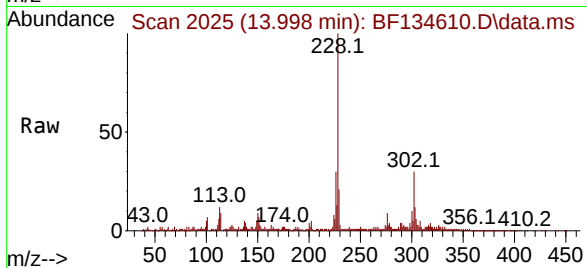
#83
Chrysene
Concen: 13.877 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

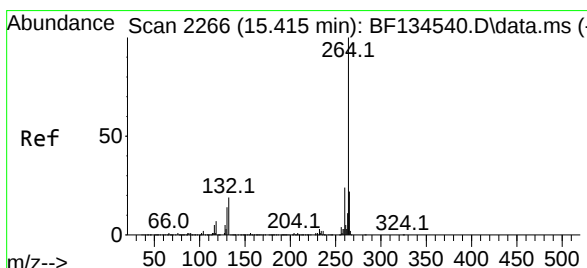
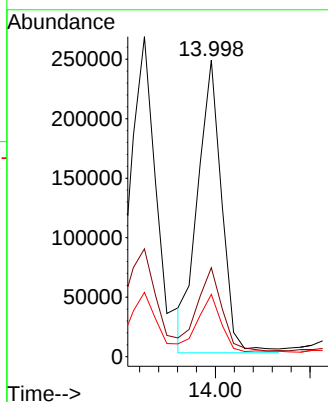
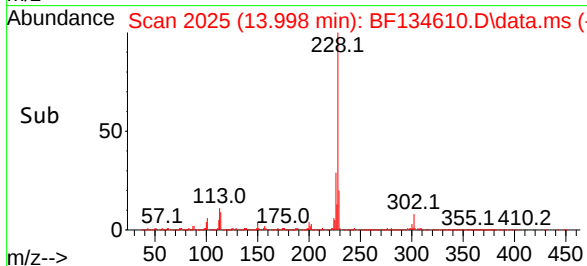


Tgt Ion:228 Resp: 217028
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 21.0 15.8 23.8

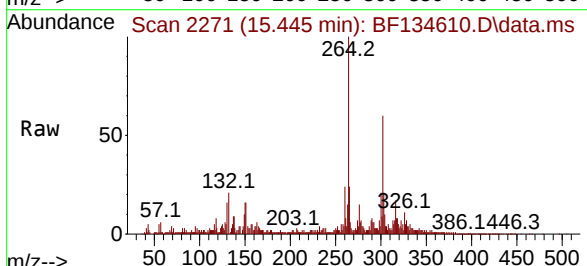
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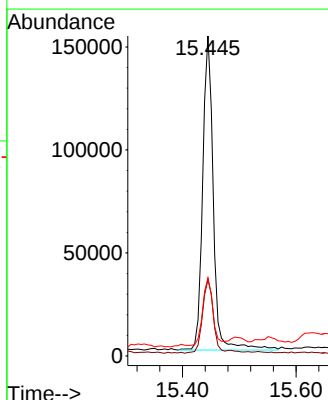
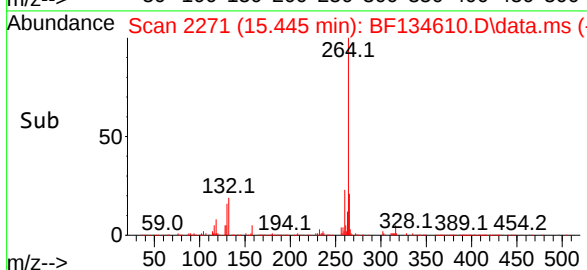
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023

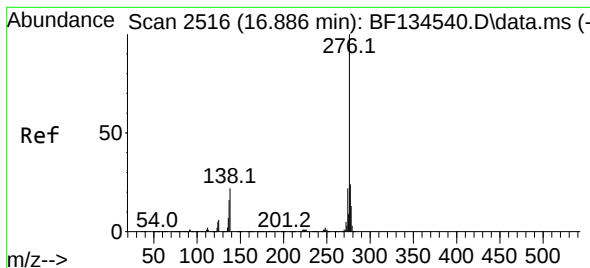


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.030 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37



Tgt Ion:264 Resp: 197927
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 24.4 15.8 23.8#





#87

Indeno(1,2,3-cd)pyrene

Concen: 32.501 ng

RT: 16.933 min Scan# 2198

Delta R.T. 0.047 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:37

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

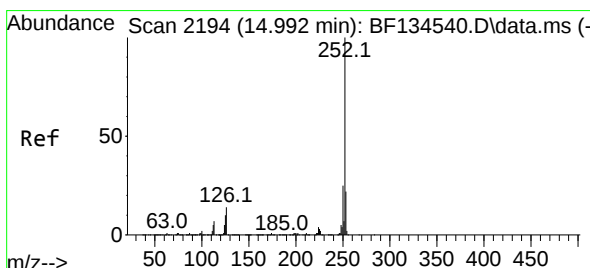
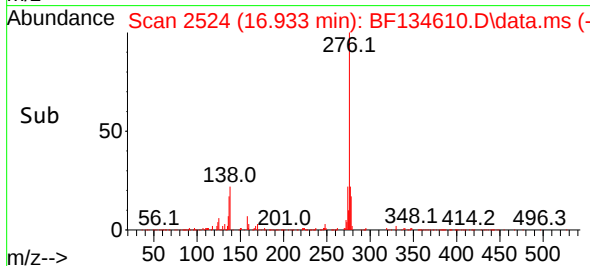
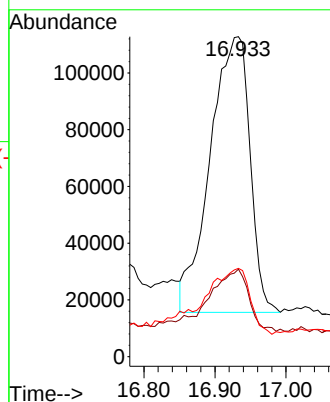
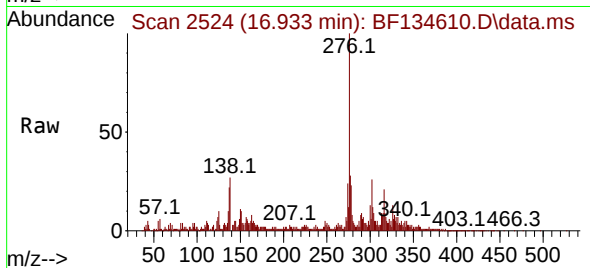
Tgt Ion:276 Resp: 37833
 Ion Ratio Lower Upper
 276 100
 138 25.1 14.2 21.4
 277 30.5 19.9 29.9

Manual Integrations

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Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#88

Benzo(b)fluoranthene

Concen: 10.647 ng m

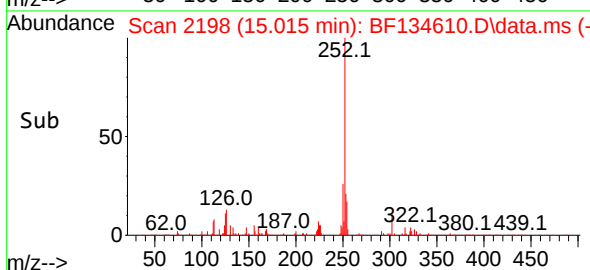
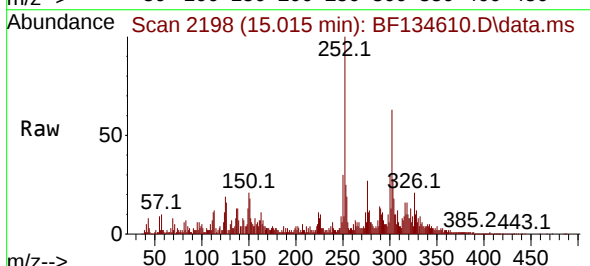
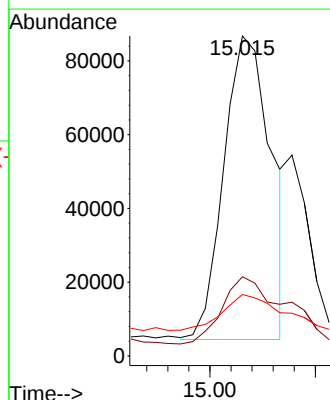
RT: 15.015 min Scan# 2198

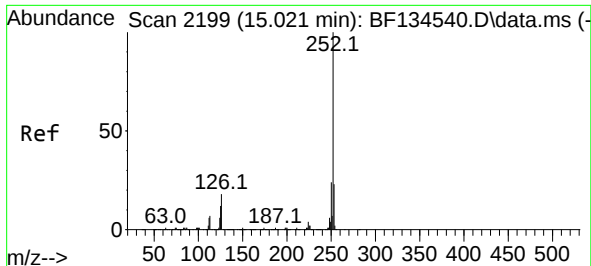
Delta R.T. 0.024 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:37

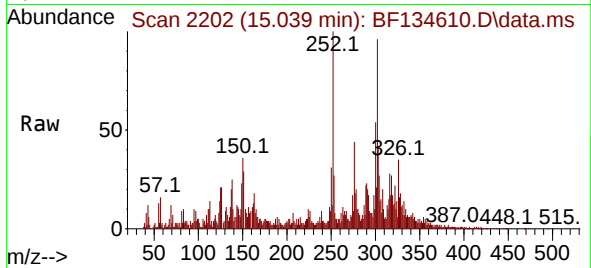
Tgt Ion:252 Resp: 128520
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.3 25.9
 125 19.2 6.0 9.0





#89
Benzo(k)fluoranthene
Concen: 3.339 ng m
RT: 15.039 min Scan# 2199
Delta R.T. 0.018 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

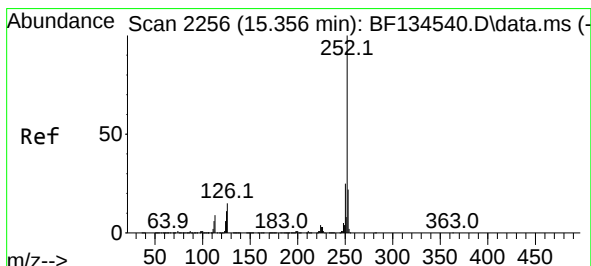
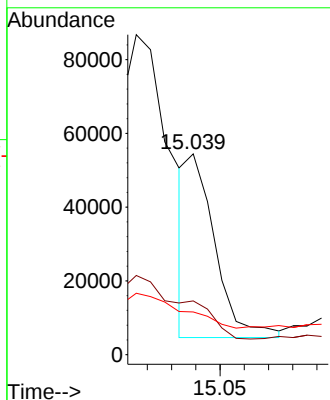
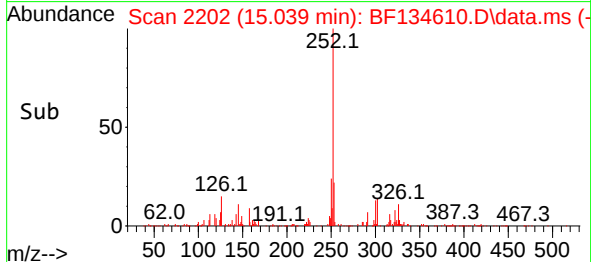
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL



Tgt Ion:252 Resp: 4015
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 21.3 6.3 9.5

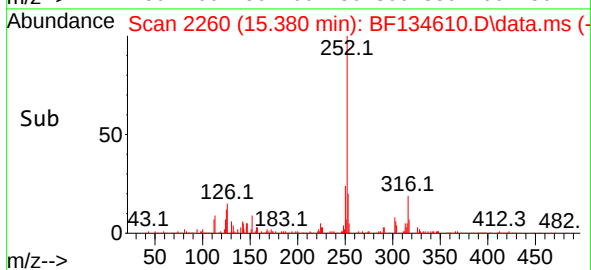
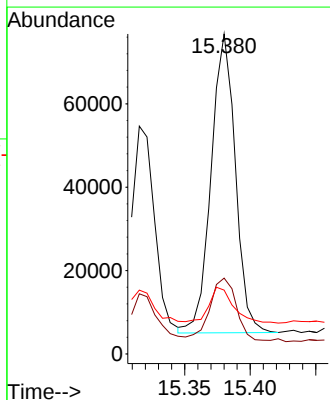
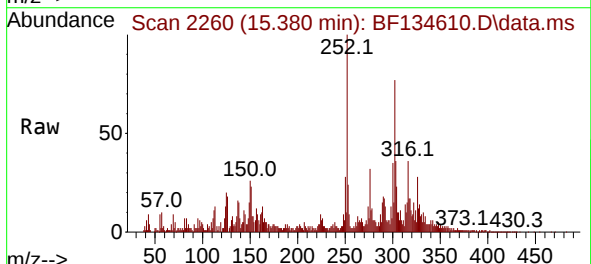
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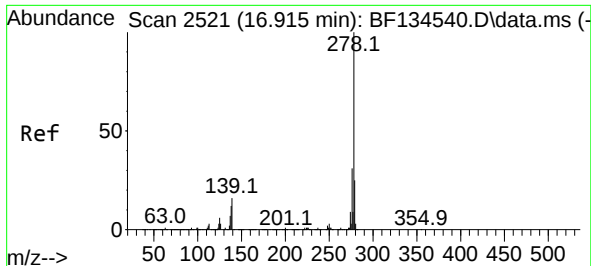
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#90
Benzo(a)pyrene
Concen: 8.191 ng
RT: 15.380 min Scan# 2260
Delta R.T. 0.024 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Tgt Ion:252 Resp: 92187
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.4
125 20.0 6.2 9.4





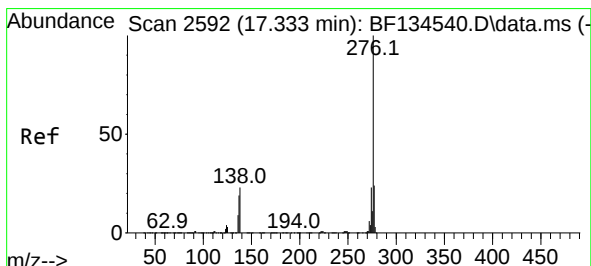
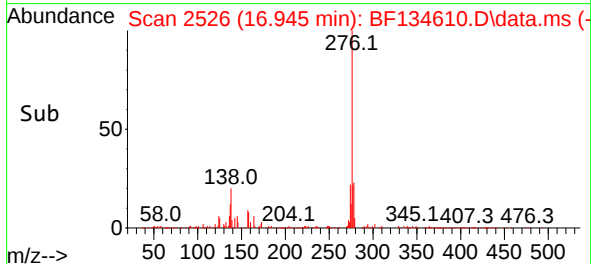
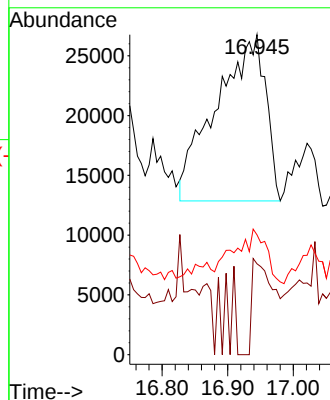
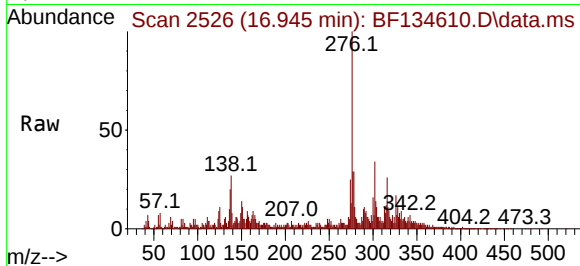
#91
Dibenzo(a,h)anthracene
Concen: 7.743 ng
RT: 16.945 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

Tgt Ion:278 Resp: 7283
Ion Ratio Lower Upper
278 100
139 28.4 10.0 15.0
279 37.4 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#92
Benzo(g,h,i)perylene
Concen: 67.014 ng
RT: 17.392 min Scan# 2602
Delta R.T. 0.059 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:37

Tgt Ion:276 Resp: 643079
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.6
138 24.6 12.2 18.2

