

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135993.D
 Acq On : 27 Oct 2023 19:37
 Operator : CG\JU
 Sample : 04767-03DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q-3(10-15)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

Quant Time: Oct 27 22:35:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	162511	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	627240	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	301936	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	446162	20.000	ng	0.00
76) Chrysene-d12	14.010	240	357210	20.000	ng	0.00
86) Perylene-d12	15.498	264	324683	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	230750	21.926	ng	-0.01
7) Phenol-d6	6.445	99	281492	21.484	ng	-0.01
23) Nitrobenzene-d5	7.381	82	151433	23.584	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	49291	18.651	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	317508	16.838	ng	0.00
79) Terphenyl-d14	12.951	244	248947	11.644	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	78362	2.584	ng	99
49) Acenaphthylene	9.722	152	97454	3.650	ng	100
55) Dibenzofuran	10.069	168	67431	2.728	ng	93
58) Fluorene	10.410	166	47586	2.573	ng	99
71) Phenanthrene	11.374	178	723548	32.054	ng	99
72) Anthracene	11.427	178	261346	11.308	ng	100
75) Fluoranthene	12.574	202	725571	30.554	ng	99
78) Pyrene	12.804	202	676217	22.546	ng	99
81) Benzo(a)anthracene	13.998	228	420723m	17.322	ng	
83) Chrysene	14.033	228	327410	13.841	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	86328	4.689	ng	95
88) Benzo(b)fluoranthene	15.057	252	369478m	19.121	ng	
89) Benzo(k)fluoranthene	15.086	252	94852m	4.998	ng	
90) Benzo(a)pyrene	15.433	252	251295	14.111	ng	99
92) Benzo(g,h,i)perylene	17.451	276	75172	7.627	ng	97

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

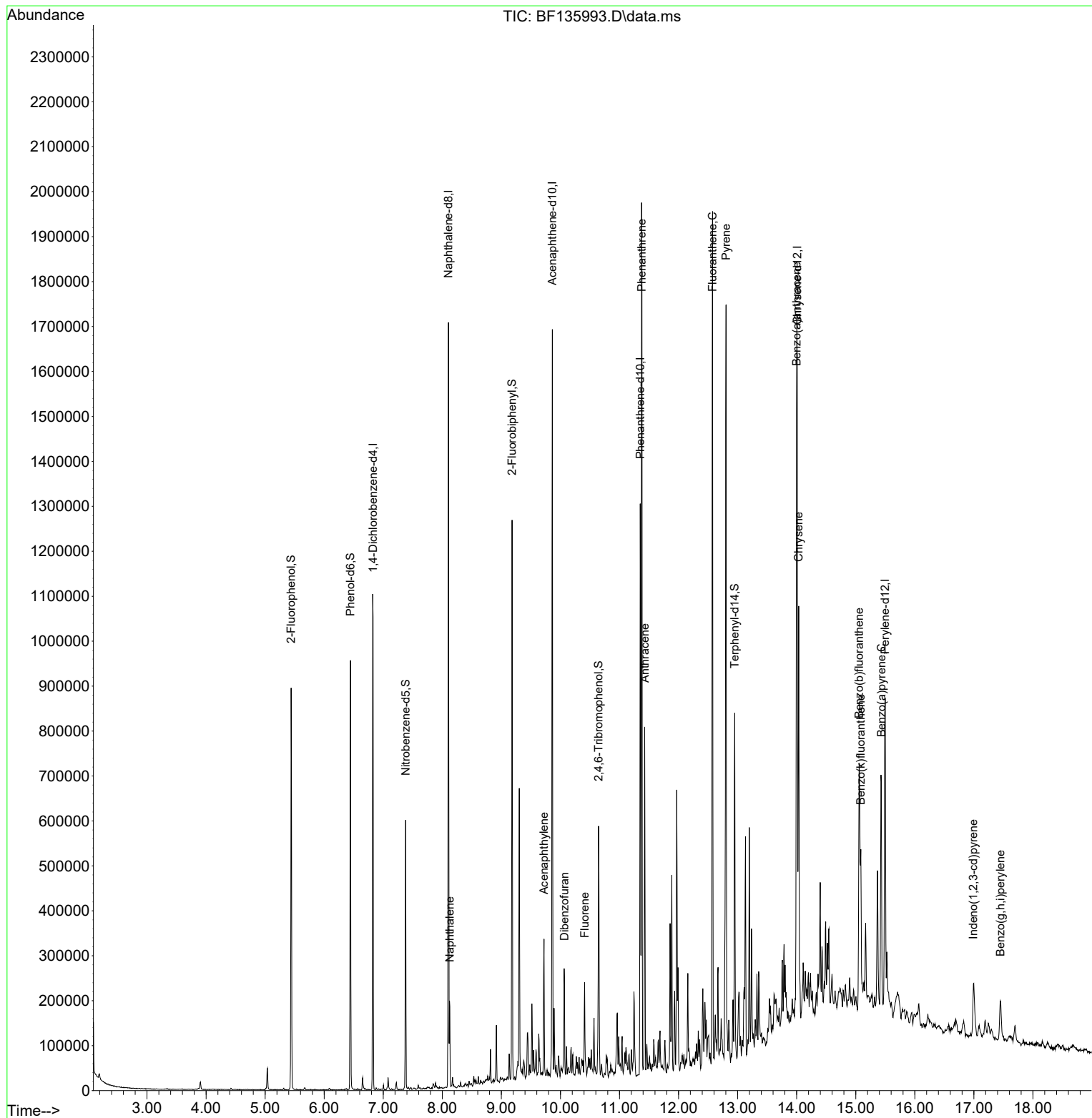
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
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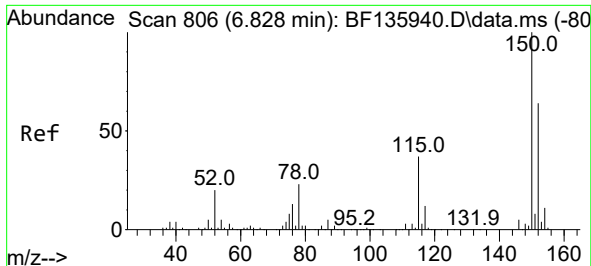
Instrument :
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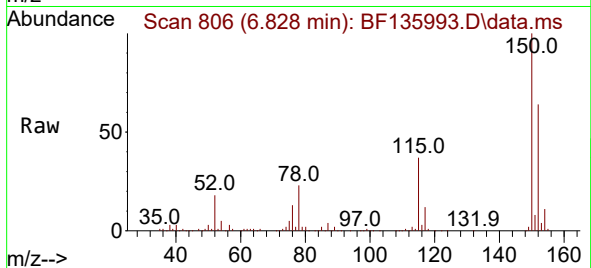
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37

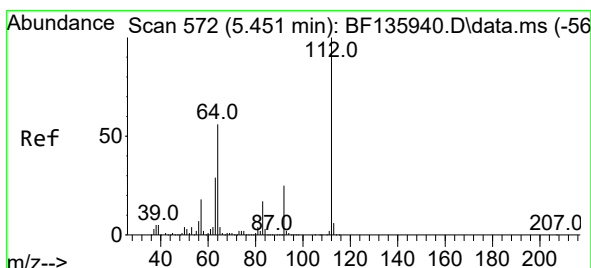
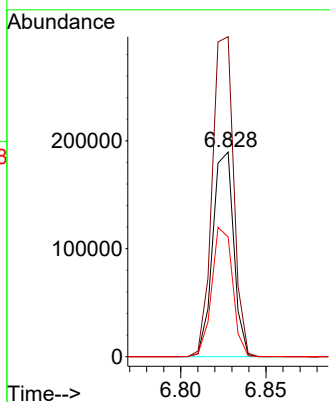
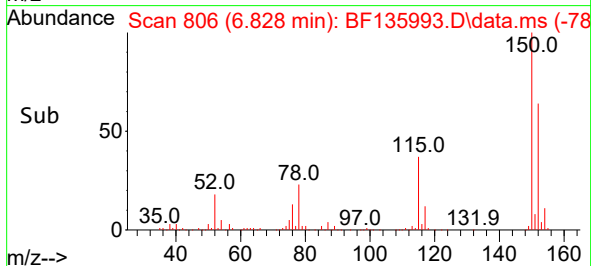
Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)DL



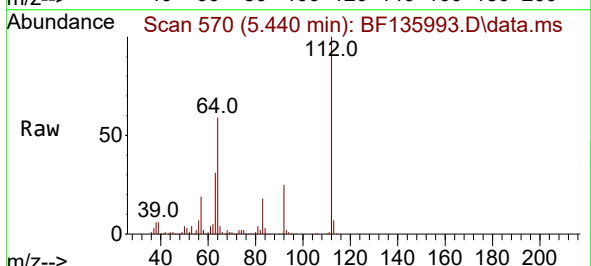
Tgt Ion:152 Resp: 16251
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 58.5 46.6 69.8

Manual Integrations
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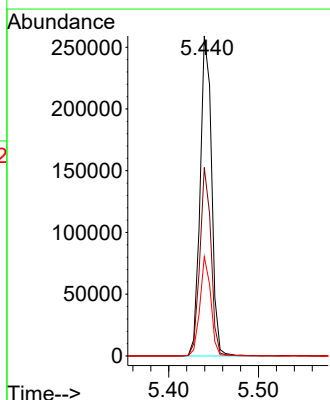
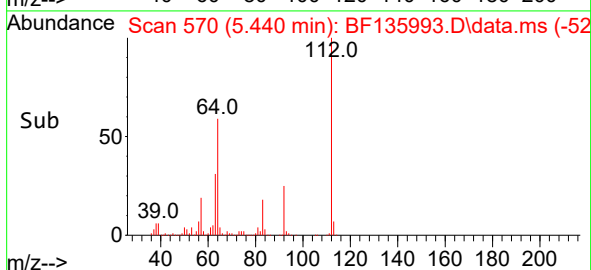
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

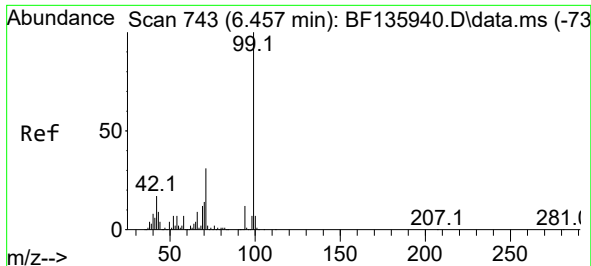


#5
2-Fluorophenol
Concen: 21.926 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.012 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37



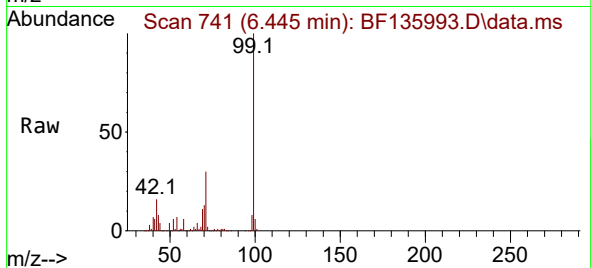
Tgt Ion:112 Resp: 230750
Ion Ratio Lower Upper
112 100
64 58.9 45.1 67.7
63 31.0 23.0 34.4





#7
Phenol-d6
Concen: 21.484 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37

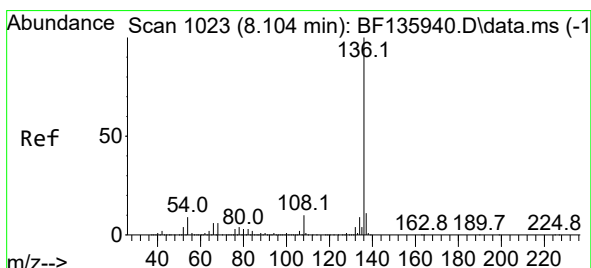
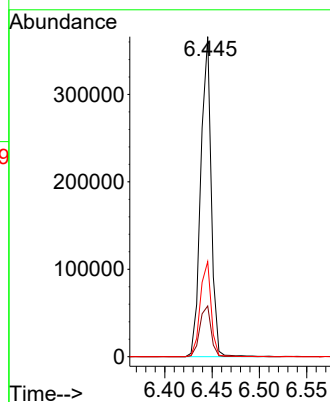
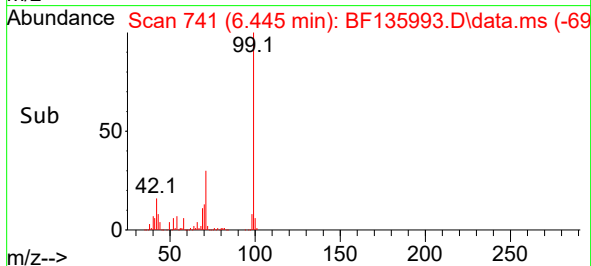
Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)DL



Tgt Ion: 99 Resp: 281492
Ion Ratio Lower Upper
99 100
42 15.8 13.8 20.8
71 29.7 25.1 37.7

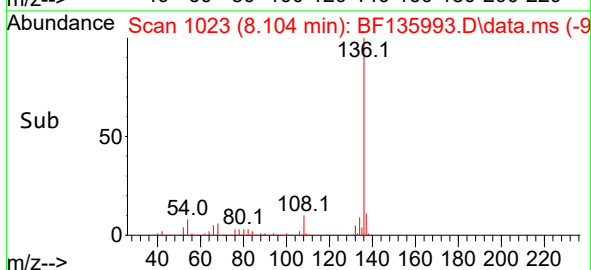
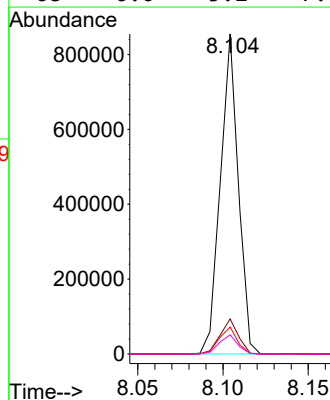
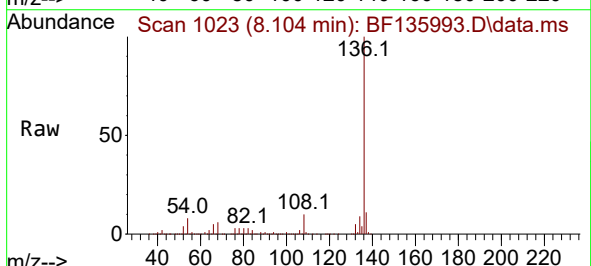
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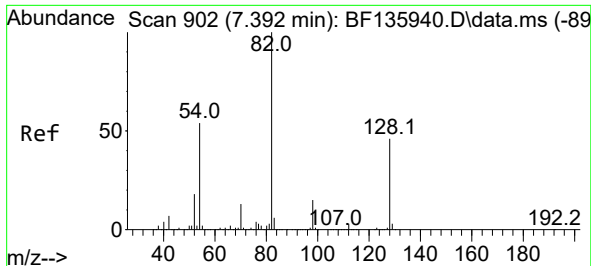
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37

Tgt Ion:136 Resp: 627240
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.4 7.1 10.7
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 23.584 ng

RT: 7.381 min Scan# 902

Delta R.T. -0.011 min

Lab File: BF135993.D

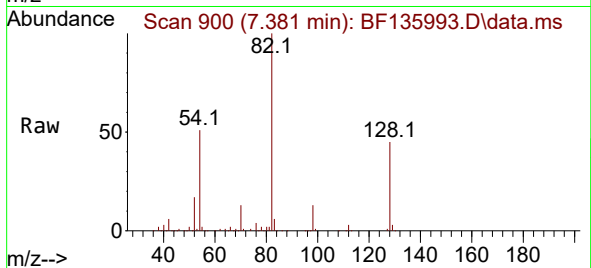
Acq: 27 Oct 2023 19:37

Instrument :

BNA_F

ClientSampleId :

Q-3(10-15)DL

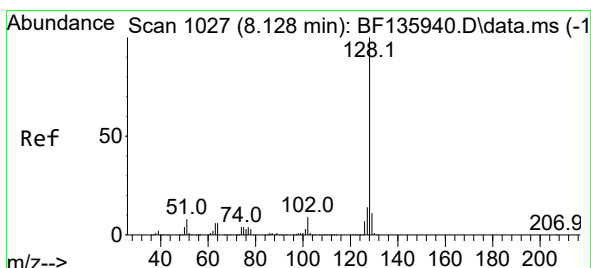
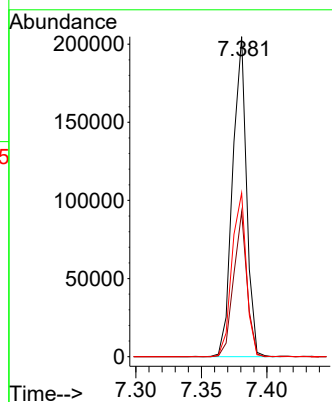
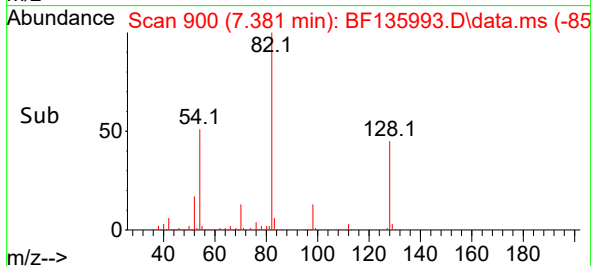


Tgt Ion: 82 Resp: 15143

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.8	55.2
54	51.2	43.4	65.0

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Supervised By :mohammad ahmed 10/28/2023



#31

Naphthalene

Concen: 2.584 ng

RT: 8.128 min Scan# 1027

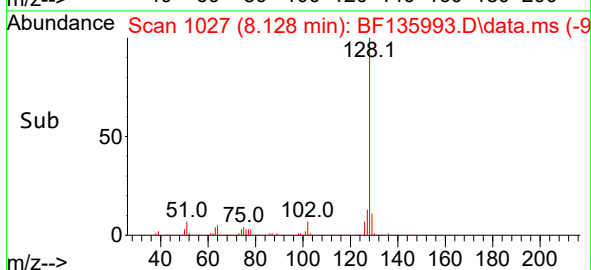
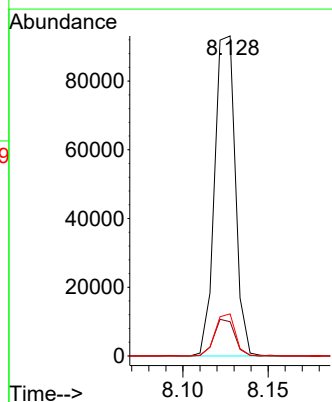
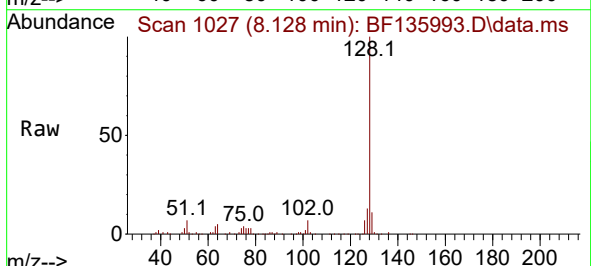
Delta R.T. 0.000 min

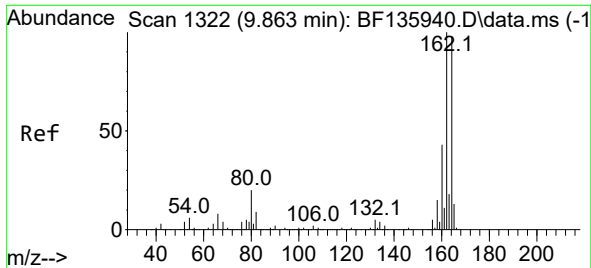
Lab File: BF135993.D

Acq: 27 Oct 2023 19:37

Tgt Ion:128 Resp: 78362

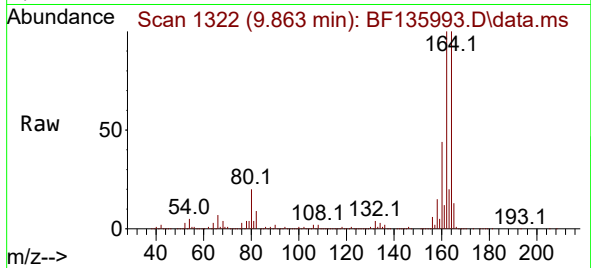
Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	13.1	10.9	16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37

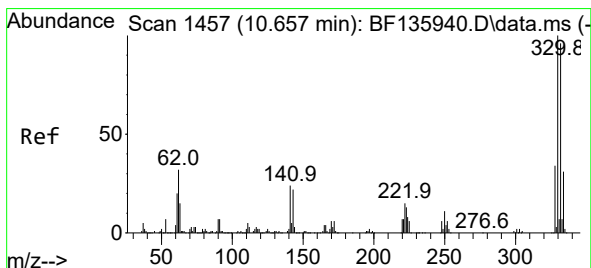
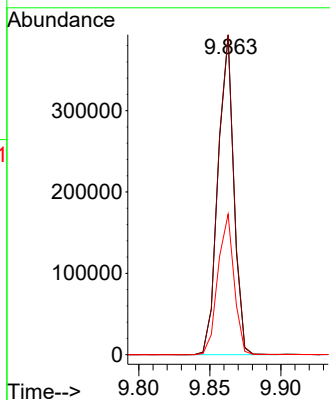
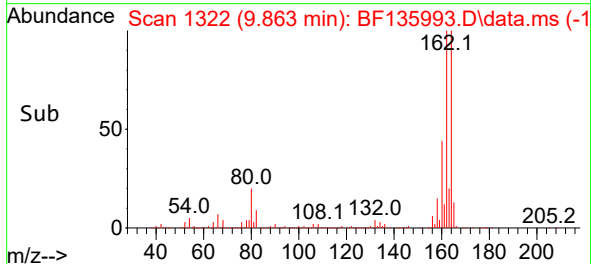
Instrument :
BNA_F
ClientSampleId :
Q-3(10-15)DL



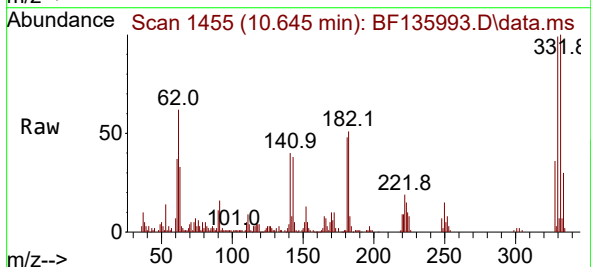
Tgt Ion:164 Resp: 301930
Ion Ratio Lower Upper
164 100
162 100.3 82.0 123.0
160 44.1 35.6 53.4

Manual Integrations
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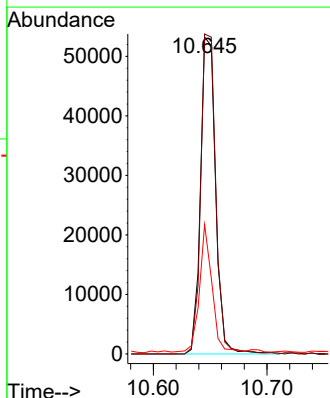
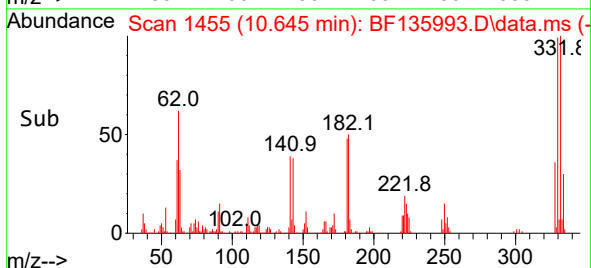
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

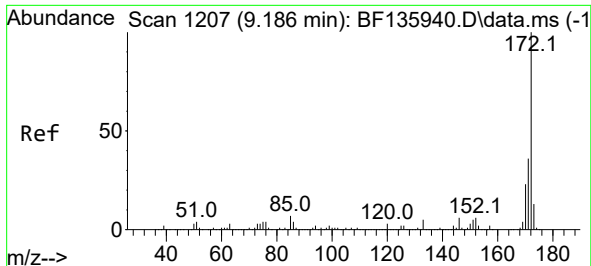


#42
2,4,6-Tribromophenol
Concen: 18.651 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37



Tgt Ion:330 Resp: 49291
Ion Ratio Lower Upper
330 100
332 100.5 77.4 116.2
141 33.0 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 16.838 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF135993.D

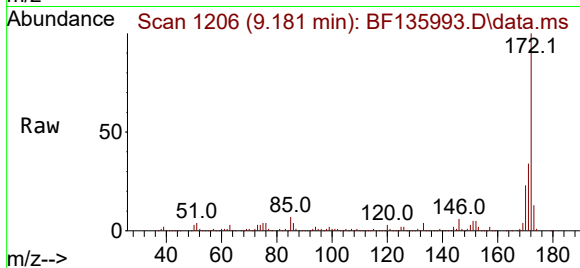
Acq: 27 Oct 2023 19:37

Instrument :

BNA_F

ClientSampleId :

Q-3(10-15)DL



Tgt Ion:172 Resp: 317508

Ion Ratio Lower Upper

172 100

171 34.1 28.6 43.0

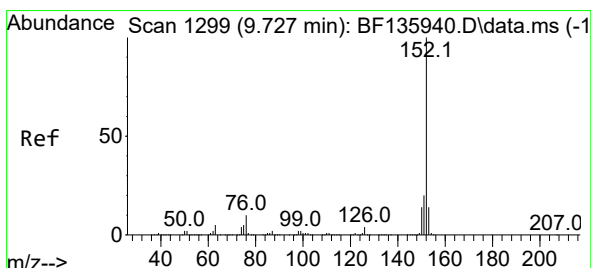
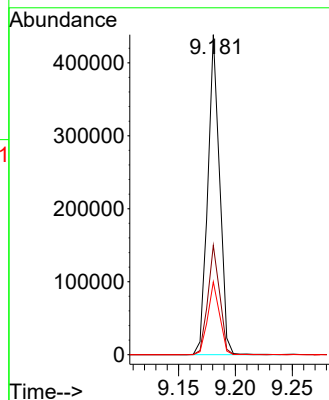
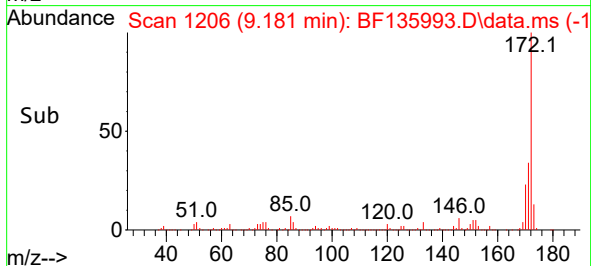
170 22.7 18.6 28.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#49

Acenaphthylene

Concen: 3.650 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.006 min

Lab File: BF135993.D

Acq: 27 Oct 2023 19:37

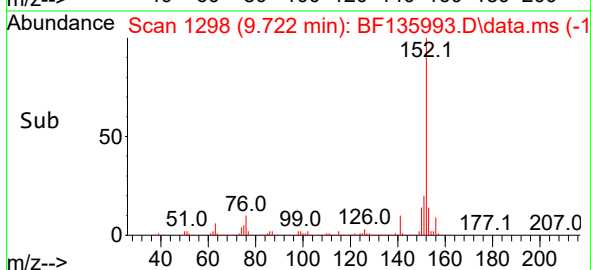
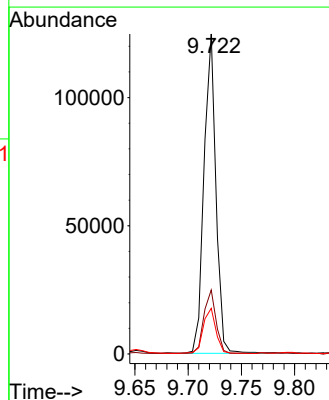
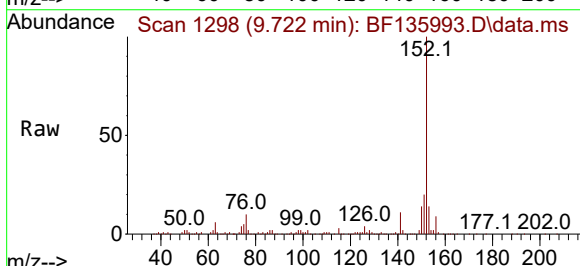
Tgt Ion:152 Resp: 97454

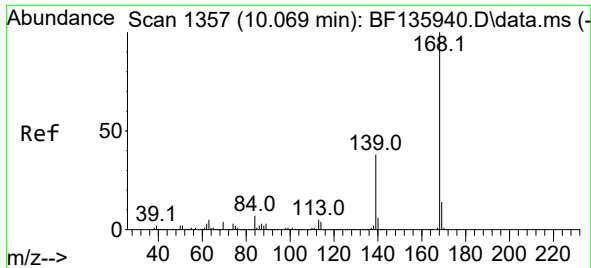
Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 14.2 11.0 16.6





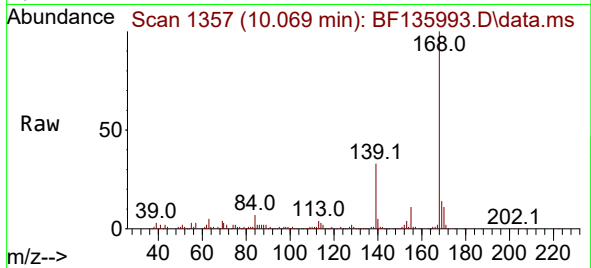
#55
Dibenzenofuran
Concen: 2.728 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37

Instrument :

BNA_F

ClientSampleId :

Q-3(10-15)DL

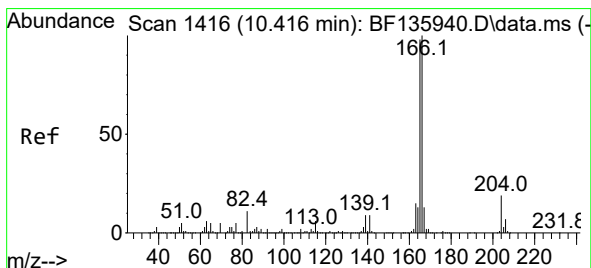
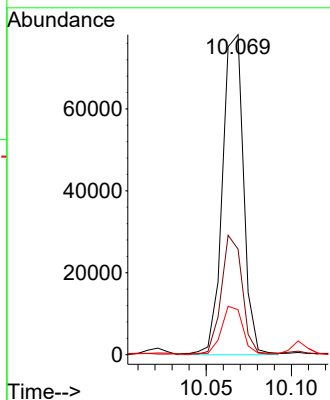
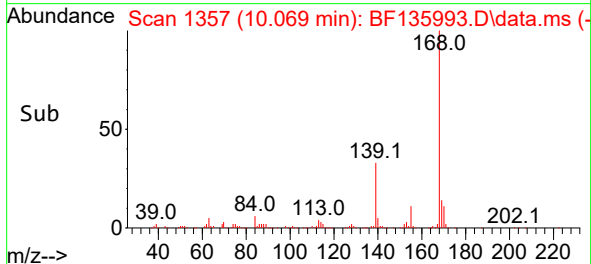


Tgt Ion:168 Resp: 6743
Ion Ratio Lower Upper
168 100
139 33.0 30.7 46.1
169 14.1 11.1 16.7

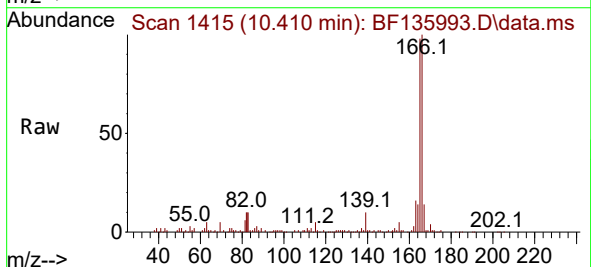
Manual Integrations

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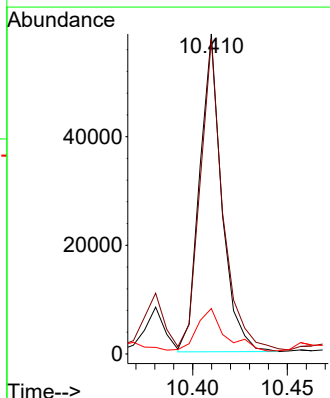
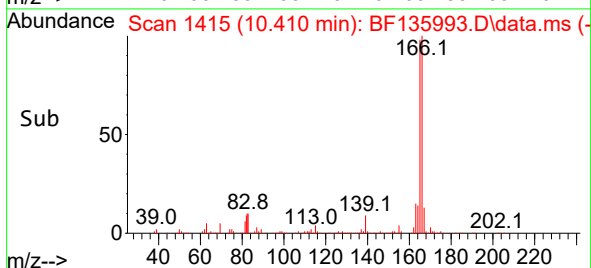
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

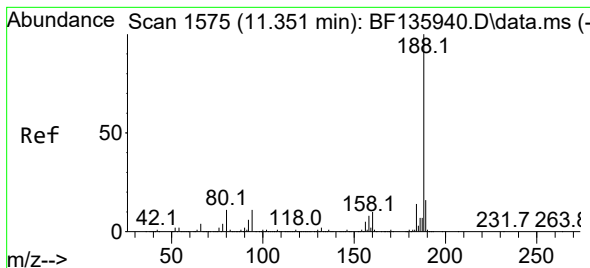


#58
Fluorene
Concen: 2.573 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37



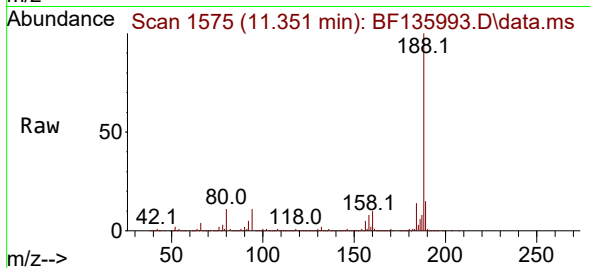
Tgt Ion:166 Resp: 47586
Ion Ratio Lower Upper
166 100
165 98.3 78.0 117.0
167 14.2 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37

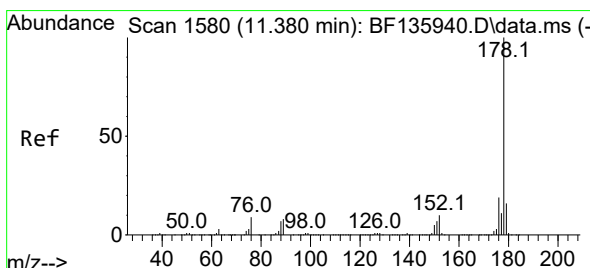
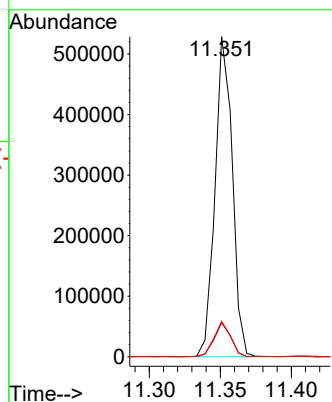
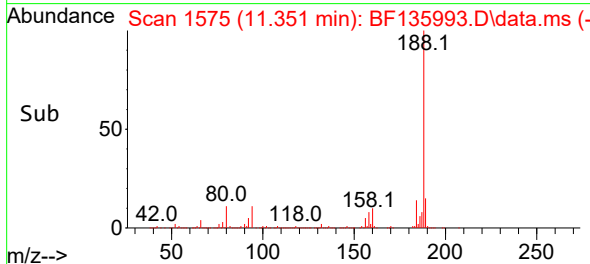
Instrument :
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Q-3(10-15)DL



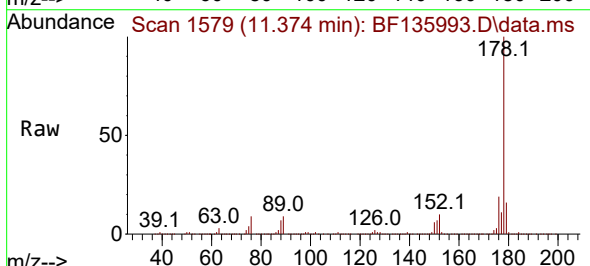
Tgt Ion:188 Resp: 446162
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.0 9.0 13.6

Manual Integrations
APPROVED

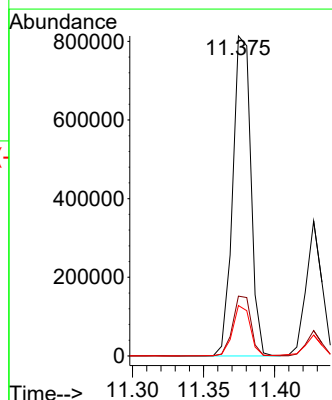
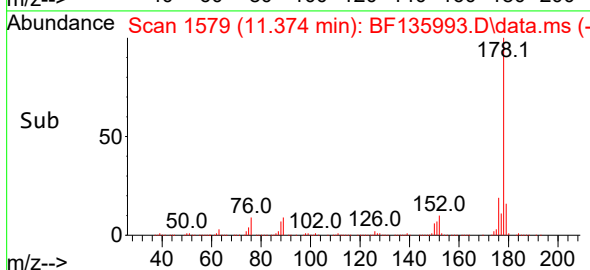
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

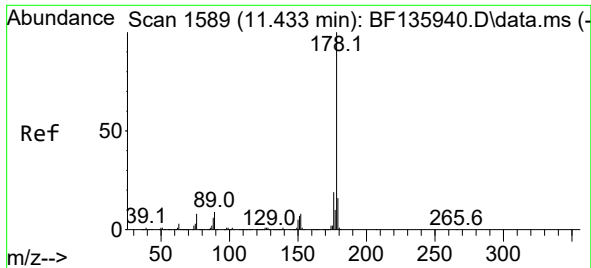


#71
Phenanthrene
Concen: 32.054 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37



Tgt Ion:178 Resp: 723548
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.8 12.5 18.7





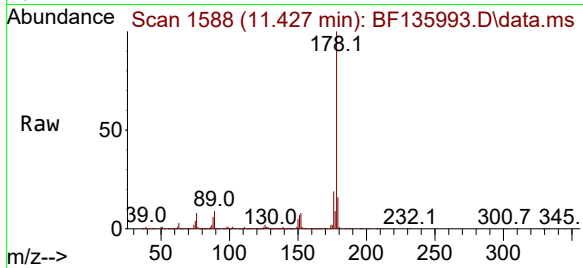
#72
 Anthracene
 Concen: 11.308 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. -0.006 min
 Lab File: BF135993.D
 Acq: 27 Oct 2023 19:37

Instrument :

BNA_F

ClientSampleId :

Q-3(10-15)DL

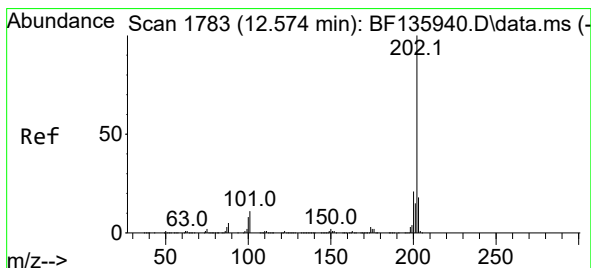
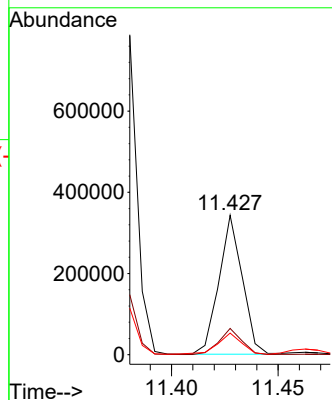
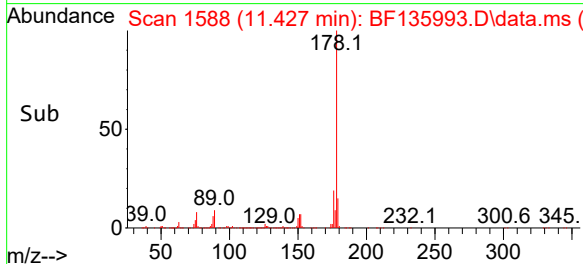


Tgt Ion:178 Resp: 261340
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 15.5 12.5 18.7

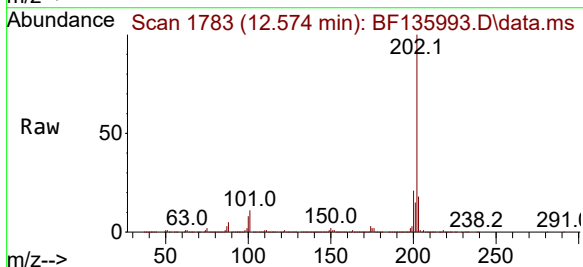
Manual Integrations

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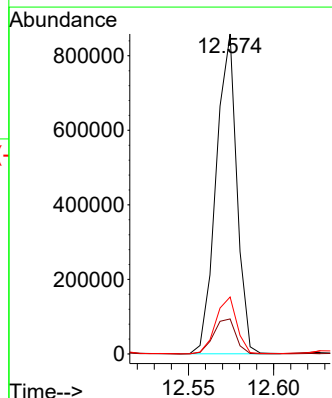
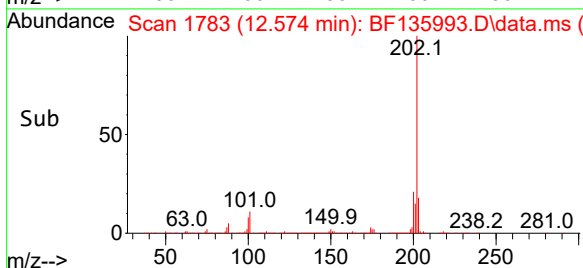
Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

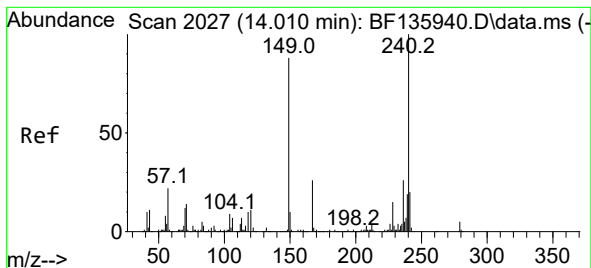


#75
 Fluoranthene
 Concen: 30.554 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. 0.000 min
 Lab File: BF135993.D
 Acq: 27 Oct 2023 19:37



Tgt Ion:202 Resp: 725571
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.6
 203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF135993.D

Acq: 27 Oct 2023 19:37

Instrument :

BNA_F

ClientSampleId :

Q-3(10-15)DL

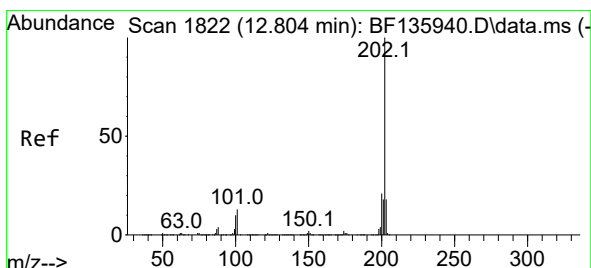
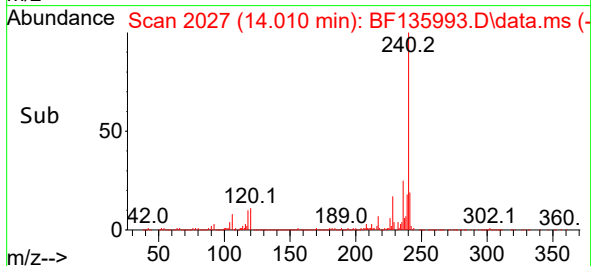
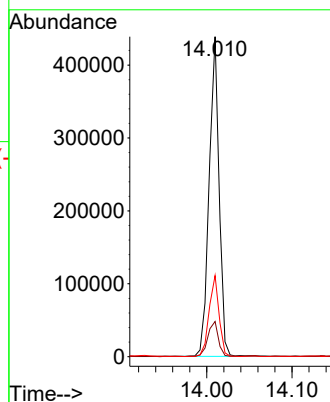
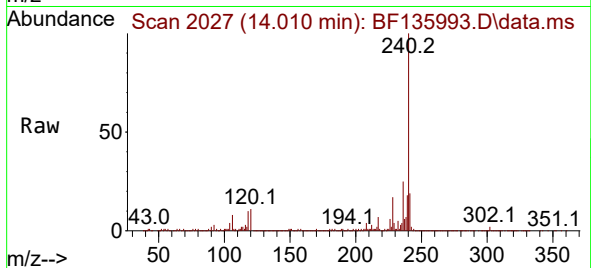
Tgt Ion:240 Resp: 357210
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.6 13.0
 236 25.4 20.6 30.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#78

Pyrene

Concen: 22.546 ng

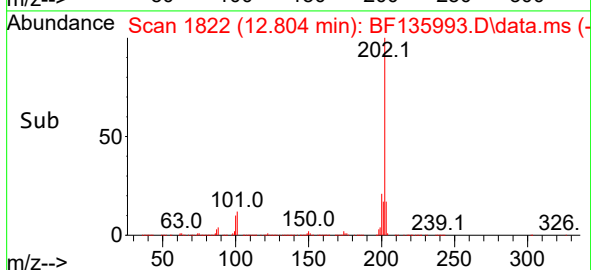
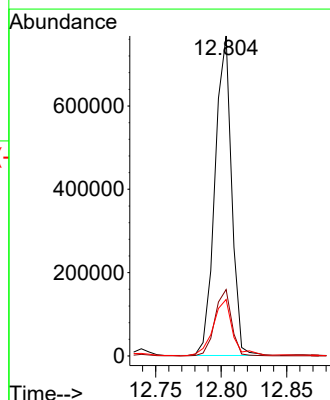
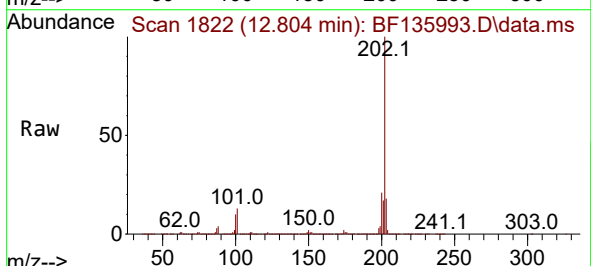
RT: 12.804 min Scan# 1822

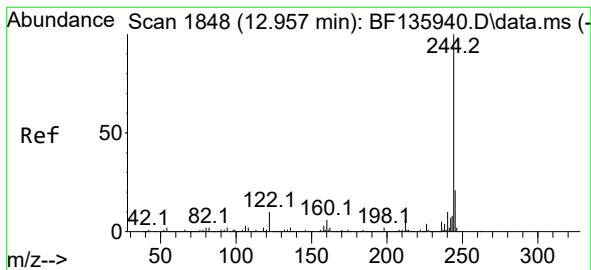
Delta R.T. 0.000 min

Lab File: BF135993.D

Acq: 27 Oct 2023 19:37

Tgt Ion:202 Resp: 676217
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.6
 203 17.6 14.5 21.7





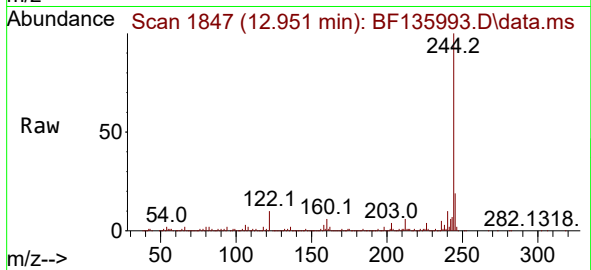
#79
 Terphenyl-d14
 Concen: 11.644 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF135993.D
 Acq: 27 Oct 2023 19:37

Instrument :

BNA_F

ClientSampleId :

Q-3(10-15)DL

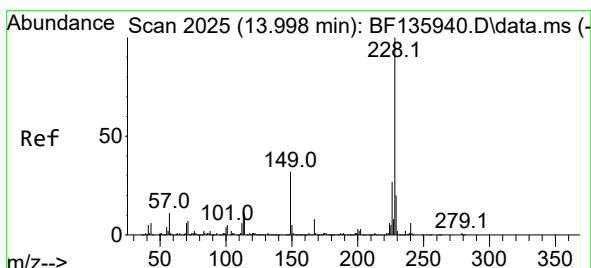
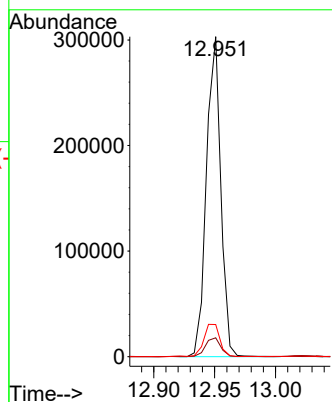
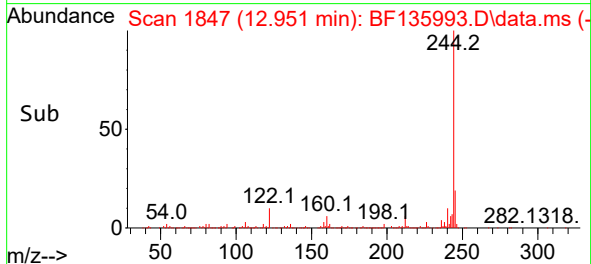


Tgt Ion:244 Resp: 248947
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.0 7.6
 122 10.0 8.0 12.0

Manual Integrations

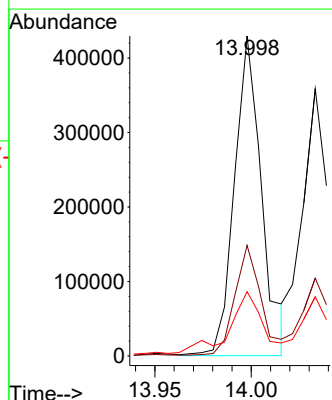
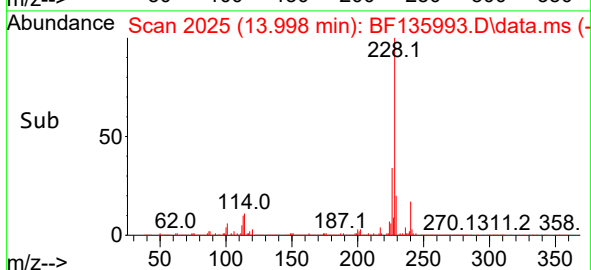
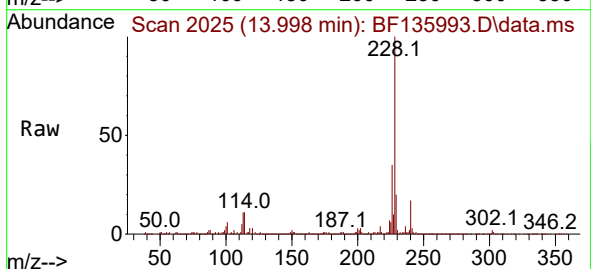
APPROVED

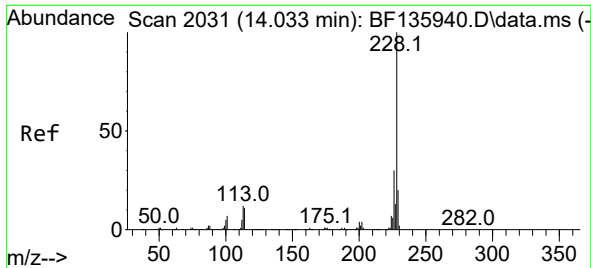
Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023



#81
 Benzo(a)anthracene
 Concen: 17.322 ng m
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF135993.D
 Acq: 27 Oct 2023 19:37

Tgt Ion:228 Resp: 420723
 Ion Ratio Lower Upper
 228 100
 226 34.6 21.8 32.6#
 229 20.1 16.2 24.4





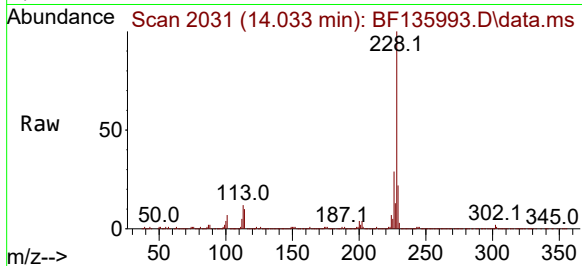
#83
Chrysene
Concen: 13.841 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37

Instrument :

BNA_F

ClientSampleId :

Q-3(10-15)DL

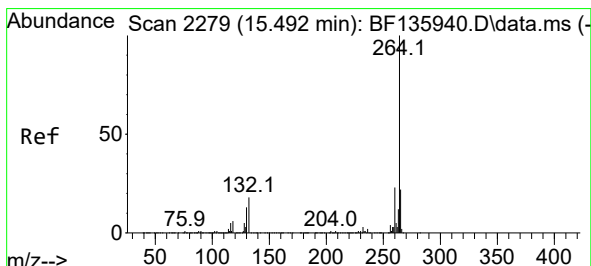
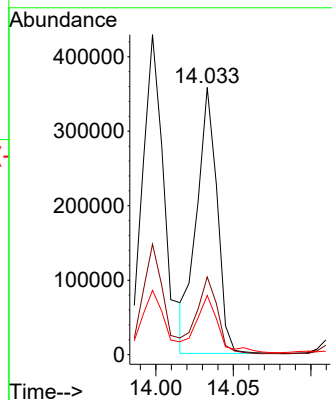
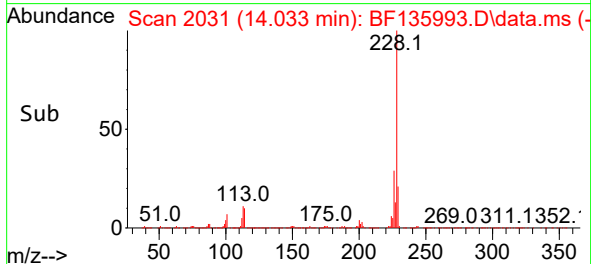


Tgt Ion:228 Resp: 327410
Ion Ratio Lower Upper
228 100
226 29.1 23.9 35.9
229 22.2 16.2 24.2

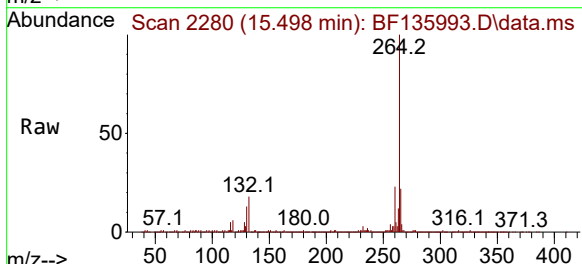
Manual Integrations

APPROVED

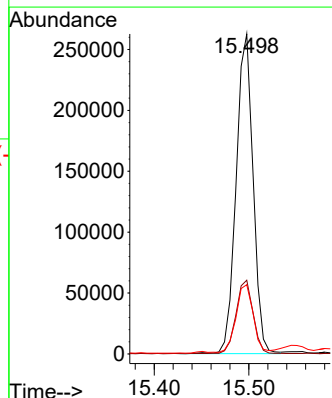
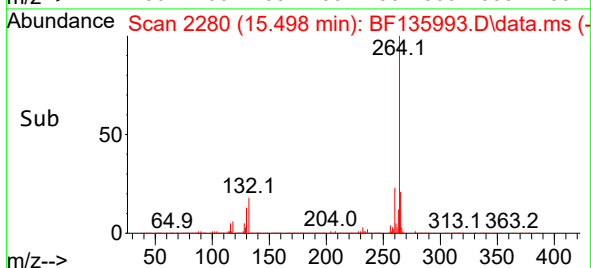
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

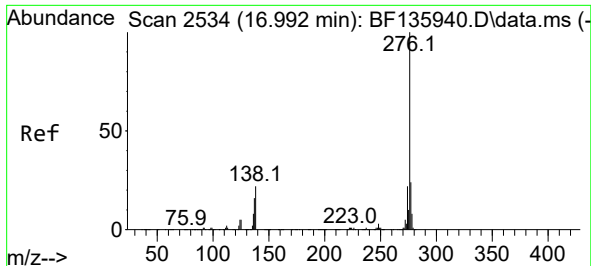


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF135993.D
Acq: 27 Oct 2023 19:37



Tgt Ion:264 Resp: 324683
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.6 17.3 25.9





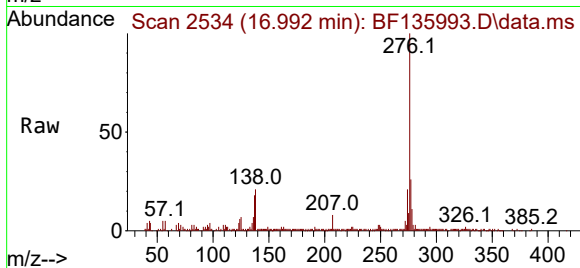
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.689 ng
 RT: 16.992 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: BF135993.D
 Acq: 27 Oct 2023 19:37

Instrument :

BNA_F

ClientSampleId :

Q-3(10-15)DL

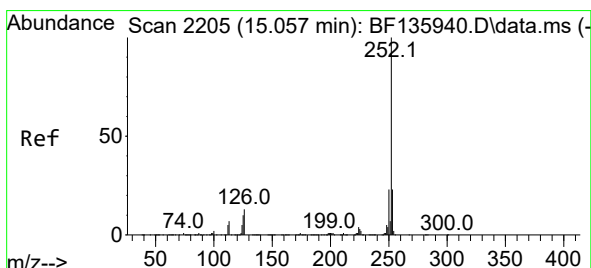
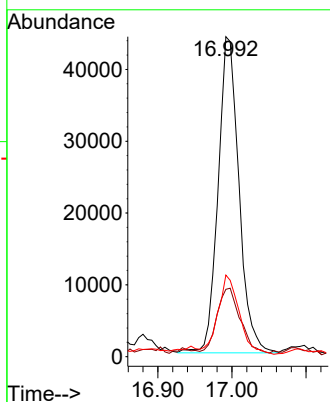
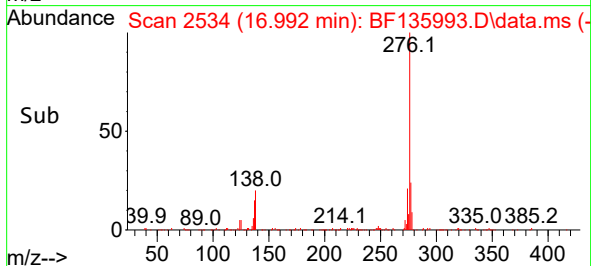


Tgt Ion:276 Resp: 86328
 Ion Ratio Lower Upper
 276 100
 138 22.7 21.8 32.6
 277 25.7 20.0 30.0

Manual Integrations

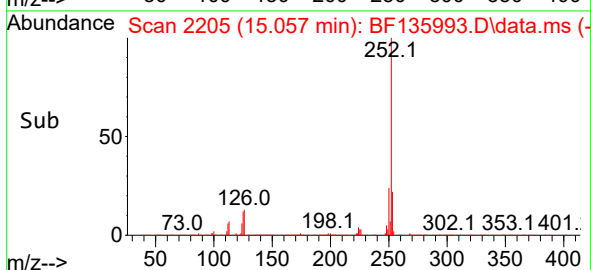
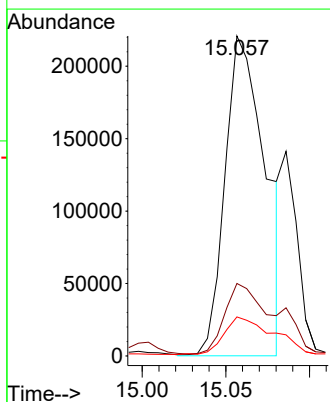
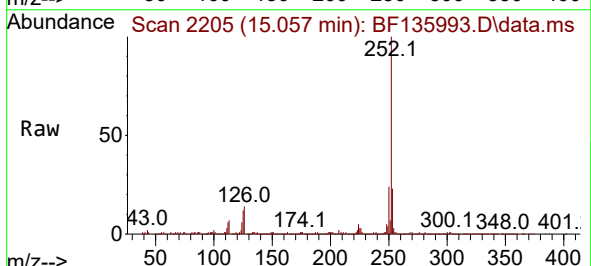
APPROVED

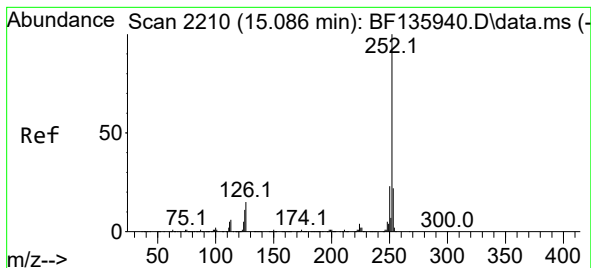
Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023



#88
 Benzo(b)fluoranthene
 Concen: 19.121 ng m
 RT: 15.057 min Scan# 2205
 Delta R.T. 0.000 min
 Lab File: BF135993.D
 Acq: 27 Oct 2023 19:37

Tgt Ion:252 Resp: 369478
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.0 27.0
 125 12.2 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 4.998 ng m

RT: 15.086 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF135993.D

Acq: 27 Oct 2023 19:37

Instrument :

BNA_F

ClientSampleId :

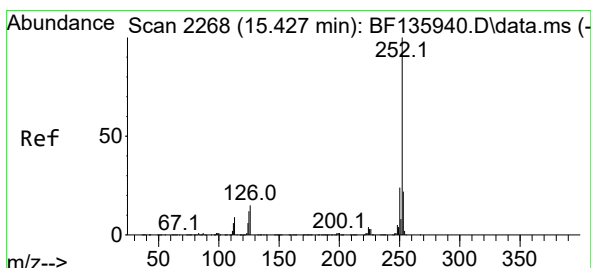
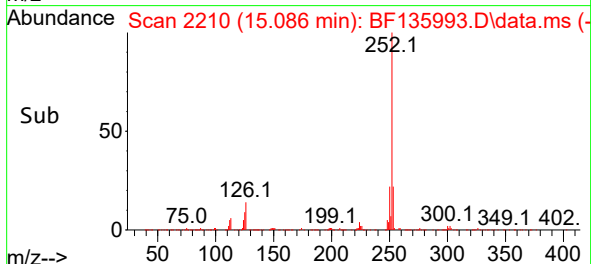
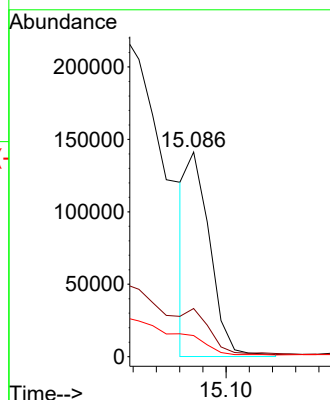
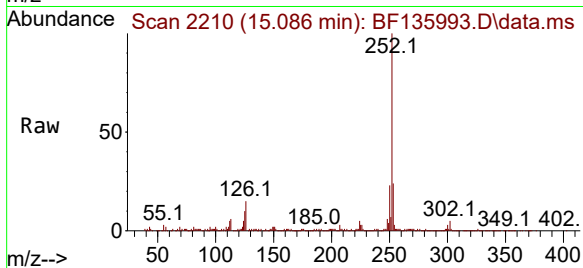
Q-3(10-15)DL

Tgt Ion:252 Resp: 94852
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.7 26.5
 125 10.4 8.5 12.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023



#90

Benzo(a)pyrene

Concen: 14.111 ng

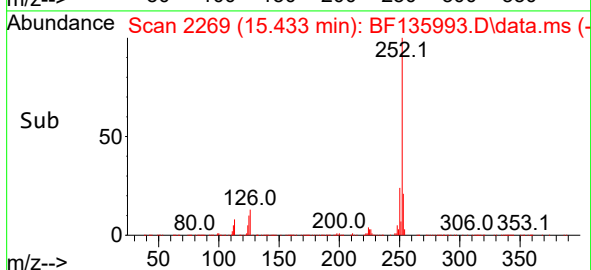
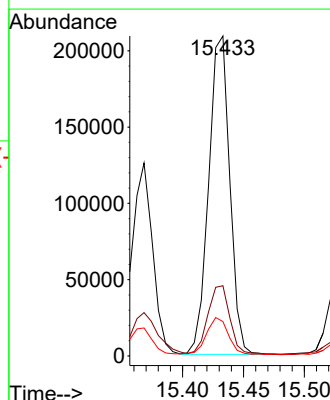
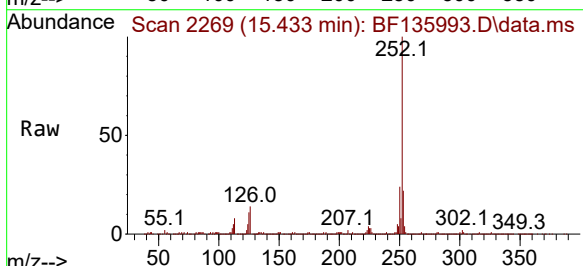
RT: 15.433 min Scan# 2269

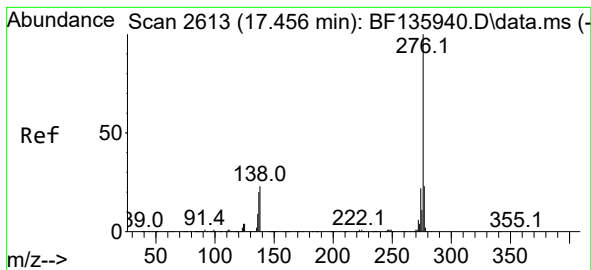
Delta R.T. 0.006 min

Lab File: BF135993.D

Acq: 27 Oct 2023 19:37

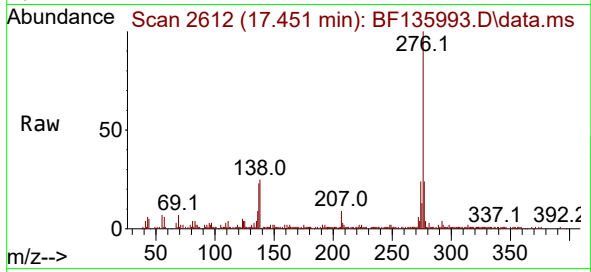
Tgt Ion:252 Resp: 251295
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.2
 125 10.8 9.6 14.4





#92
 Benzo(g,h,i)perylene
 Concen: 7.627 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.005 min
 Lab File: BF135993.D
 Acq: 27 Oct 2023 19:37

Instrument :
 BNA_F
 ClientSampleId :
 Q-3(10-15)DL



Tgt Ion: 276 Resp: 75172
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.6 28.0
 138 25.0 18.4 27.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

