

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135989.D
 Acq On : 27 Oct 2023 17:32
 Operator : CG\JU
 Sample : 04693-02DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1(0-5)DL

Quant Time: Oct 27 22:33:50 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	165714	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	646979	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	325601	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	535616	20.000	ng	0.00
76) Chrysene-d12	14.010	240	320198	20.000	ng	0.00
86) Perylene-d12	15.498	264	365753	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	215476	20.079	ng	-0.01
7) Phenol-d6	6.445	99	266837	19.972	ng	-0.01
23) Nitrobenzene-d5	7.381	82	143046	22.422	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	48881	17.151	ng	-0.01
45) 2-Fluorobiphenyl	9.180	172	284511	13.992	ng	0.00
79) Terphenyl-d14	12.951	244	211945	11.059	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	103891	3.321	ng	99
49) Acenaphthylene	9.722	152	88078	3.059	ng	97
58) Fluorene	10.410	166	64011	3.210	ng	98
71) Phenanthrene	11.374	178	636896	23.503	ng	99
72) Anthracene	11.427	178	160238	5.775	ng	99
75) Fluoranthene	12.574	202	621857	21.813	ng	100
78) Pyrene	12.804	202	707170	26.303	ng	98
81) Benzo(a)anthracene	13.998	228	340149m	15.623	ng	
83) Chrysene	14.033	228	325433	15.347	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	124954	6.025	ng	95
88) Benzo(b)fluoranthene	15.057	252	399478m	18.353	ng	
89) Benzo(k)fluoranthene	15.086	252	137636m	6.438	ng	
90) Benzo(a)pyrene	15.427	252	325095	16.205	ng	100
92) Benzo(g,h,i)perylene	17.450	276	110302	8.798	ng	96

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

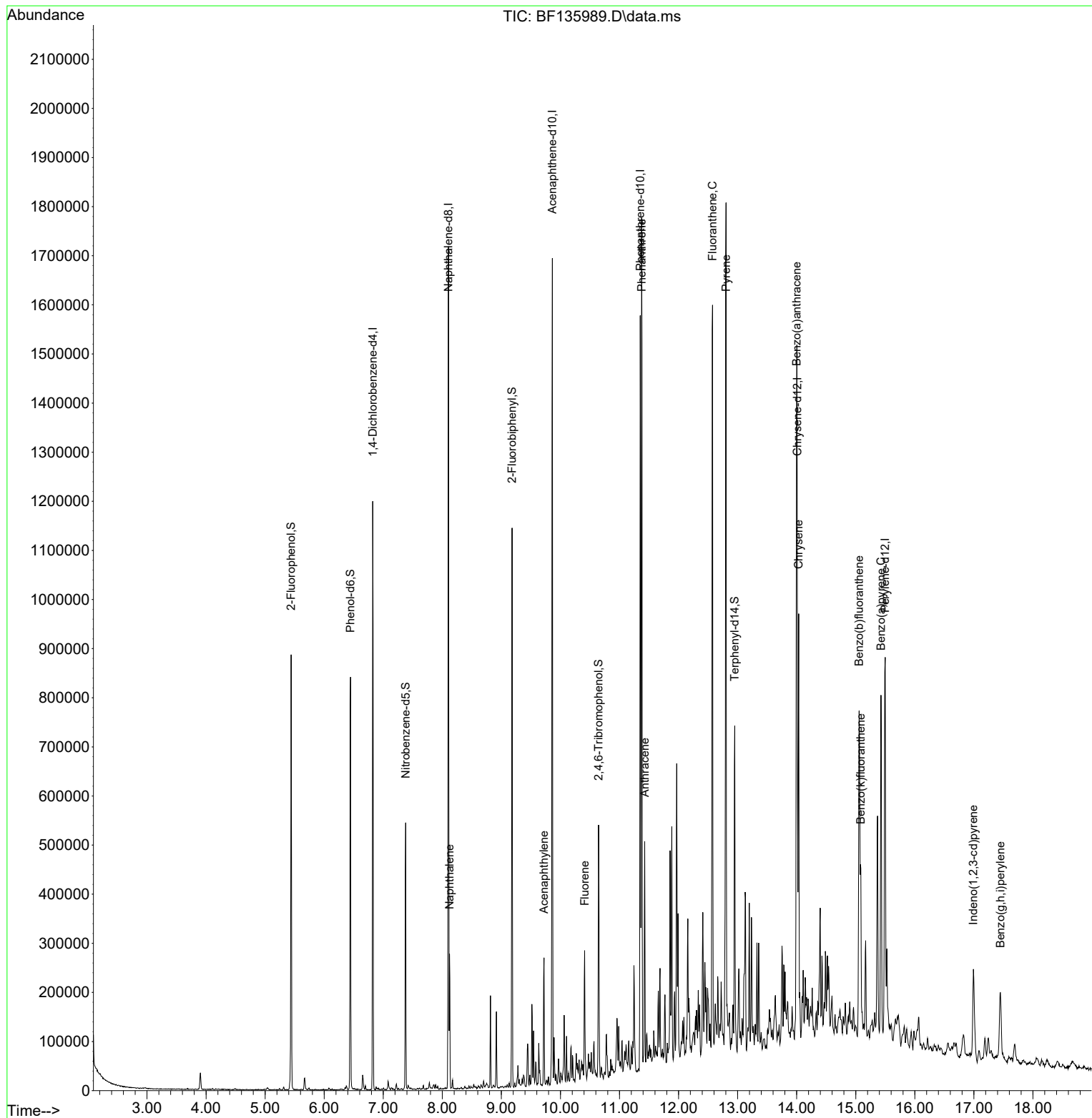
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Data File : BF135989.D
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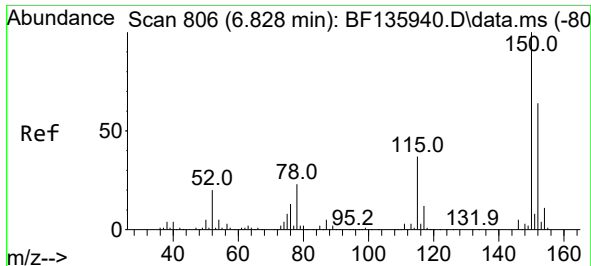
Instrument :
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ClientSampleId :
S-1(0-5)DL

Quant Time: Oct 27 22:33:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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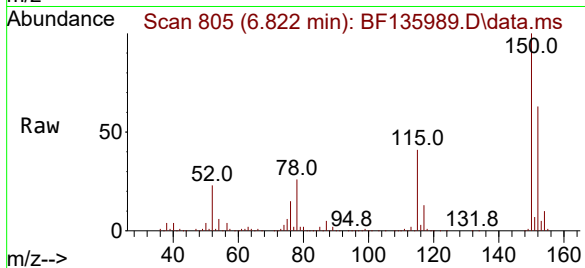
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

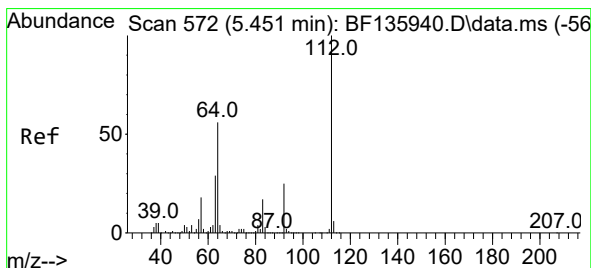
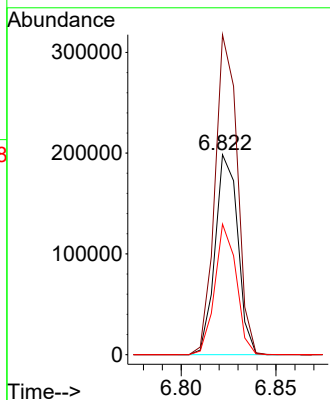
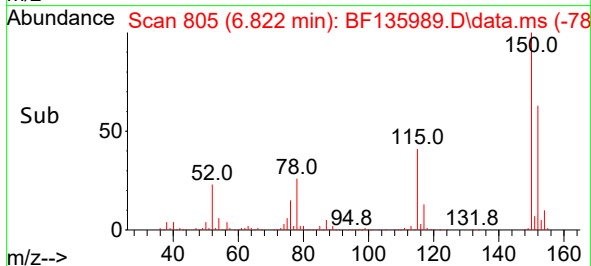
Instrument :
BNA_F
ClientSampleId :
S-1(0-5)DL



Tgt Ion:152 Resp: 165714
Ion Ratio Lower Upper
152 100
150 160.0 124.6 186.8
115 65.3 46.6 69.8

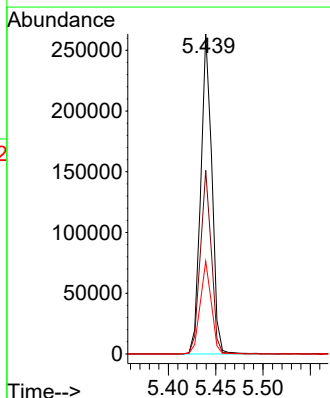
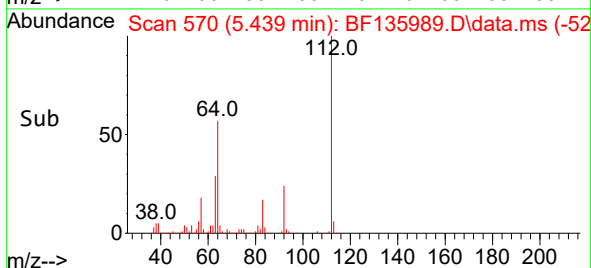
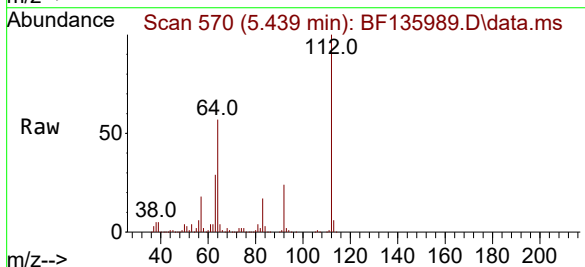
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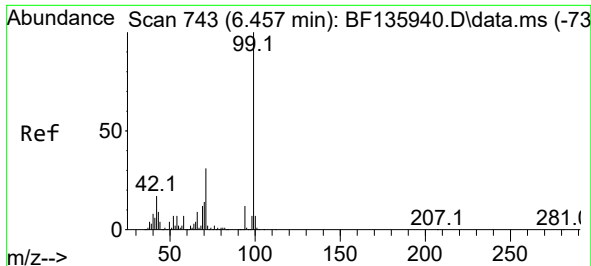
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#5
2-Fluorophenol
Concen: 20.079 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.012 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

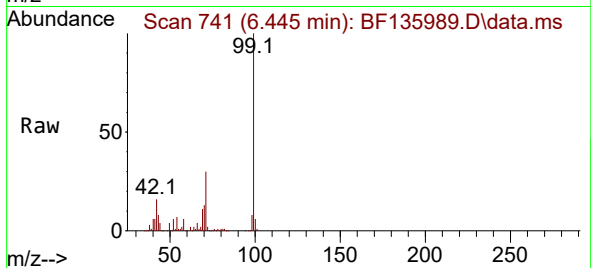
Tgt Ion:112 Resp: 215476
Ion Ratio Lower Upper
112 100
64 57.4 45.1 67.7
63 29.0 23.0 34.4





#7
Phenol-d6
Concen: 19.972 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

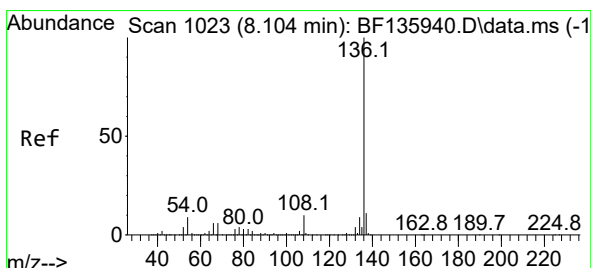
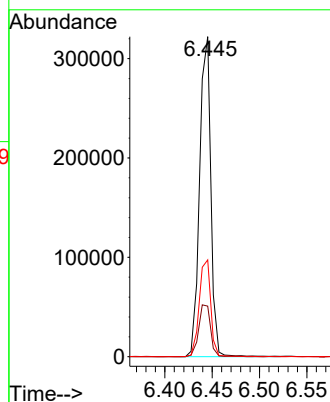
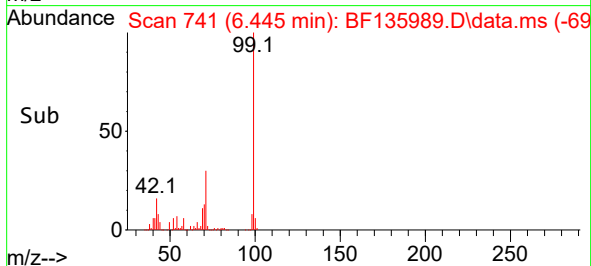
Instrument :
BNA_F
ClientSampleId :
S-1(0-5)DL



Tgt Ion: 99 Resp: 26683
Ion Ratio Lower Upper
99 100
42 15.8 13.8 20.8
71 30.3 25.1 37.7

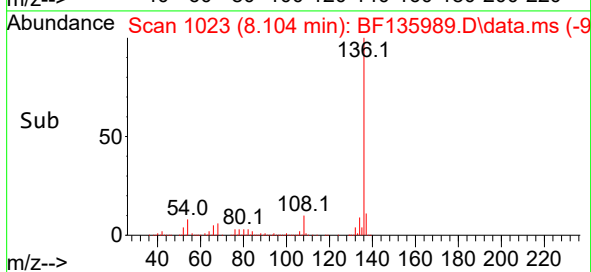
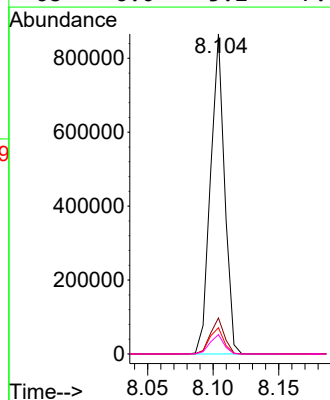
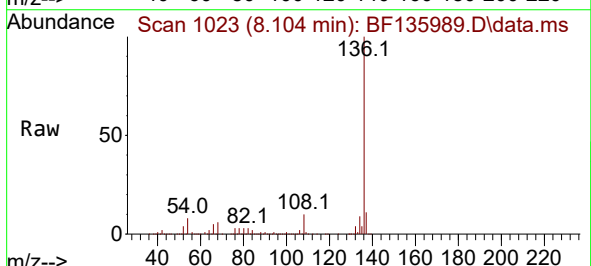
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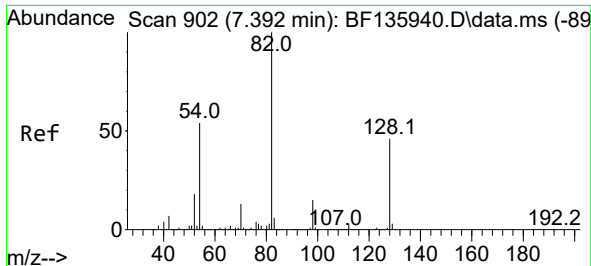
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

Tgt Ion:136 Resp: 646979
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 8.2 7.1 10.7
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 22.422 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.011 min

Lab File: BF135989.D

Acq: 27 Oct 2023 17:32

Instrument :

BNA_F

ClientSampleId :

S-1(0-5)DL

Tgt Ion: 82 Resp: 143040

Ion Ratio Lower Upper

82 100

128 49.4 36.8 55.2

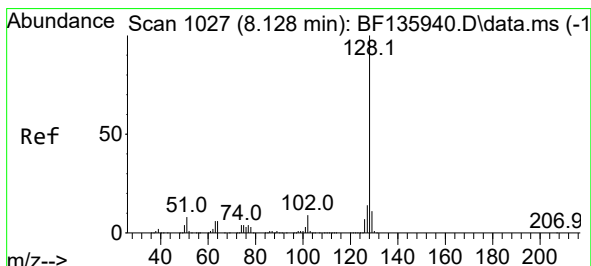
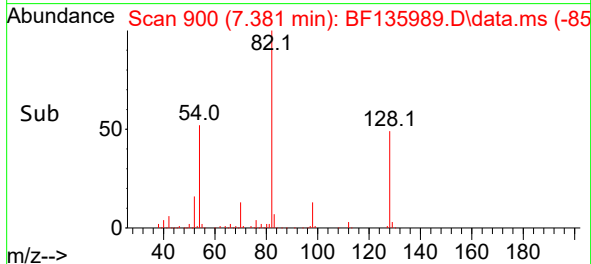
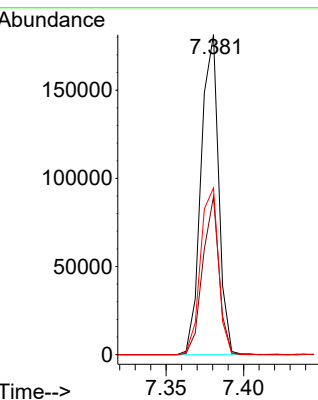
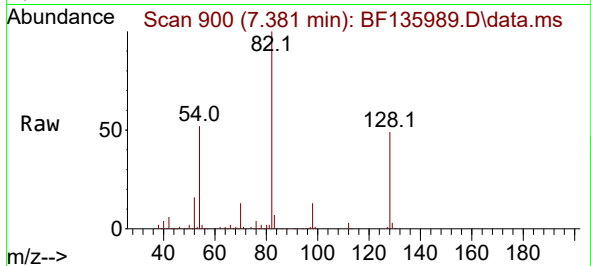
54 52.1 43.4 65.0

Manual Integrations

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Supervised By :mohammad ahmed 10/28/2023



#31

Naphthalene

Concen: 3.321 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF135989.D

Acq: 27 Oct 2023 17:32

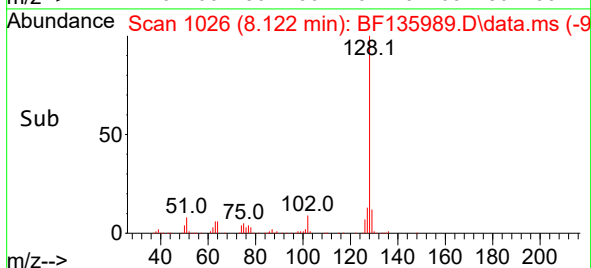
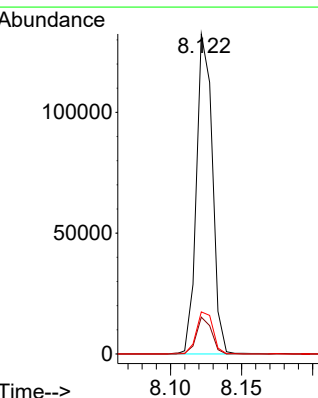
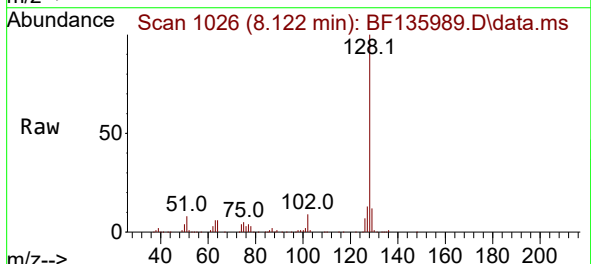
Tgt Ion:128 Resp: 103891

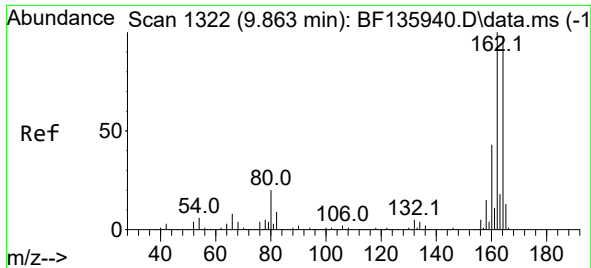
Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

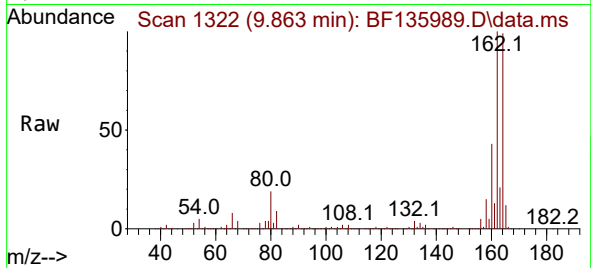
127 13.2 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

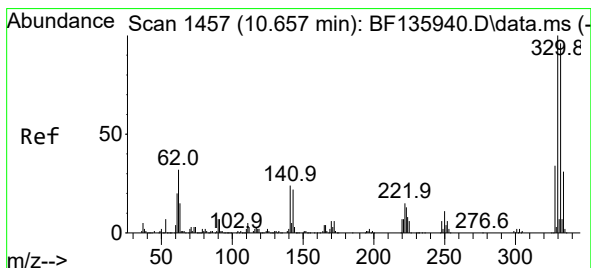
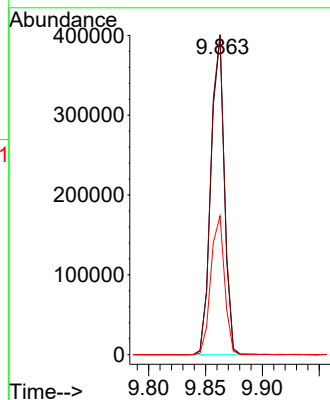
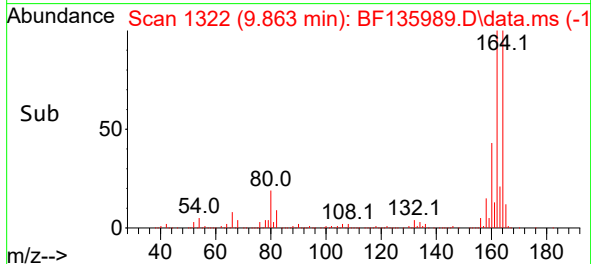
Instrument :
BNA_F
ClientSampleId :
S-1(0-5)DL



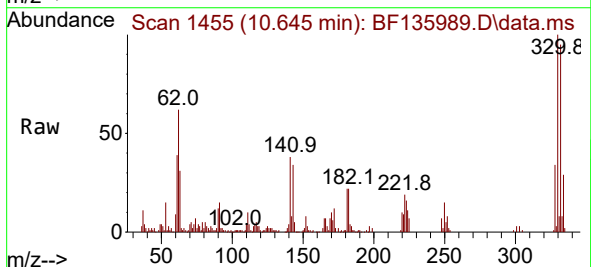
Tgt Ion:164 Resp: 32560
Ion Ratio Lower Upper
164 100
162 100.5 82.0 123.0
160 43.6 35.6 53.4

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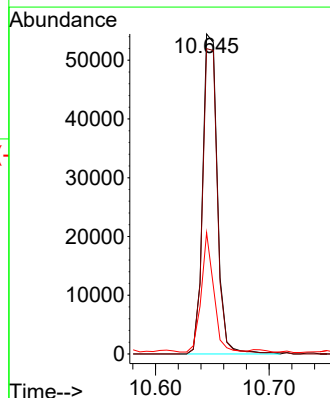
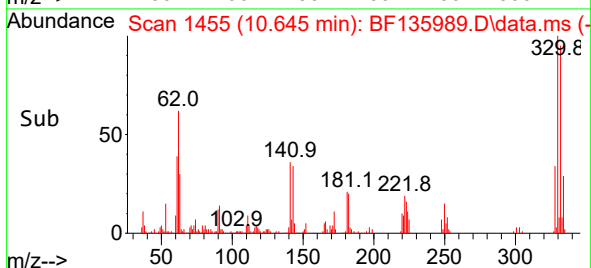
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

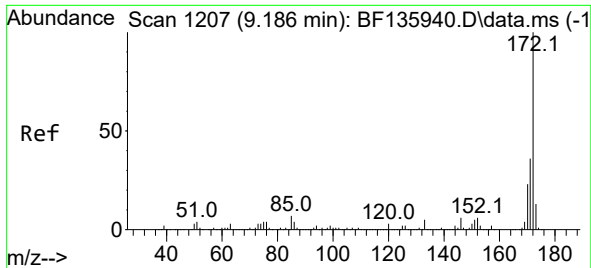


#42
2,4,6-Tribromophenol
Concen: 17.151 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32



Tgt Ion:330 Resp: 48881
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.2
141 31.7 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 13.992 ng

RT: 9.180 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF135989.D

Acq: 27 Oct 2023 17:32

Instrument :

BNA_F

ClientSampleId :

S-1(0-5)DL

Tgt Ion:172 Resp: 28451

Ion Ratio Lower Upper

172 100

171 34.6 28.6 43.0

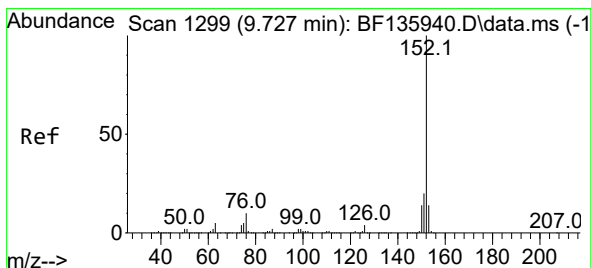
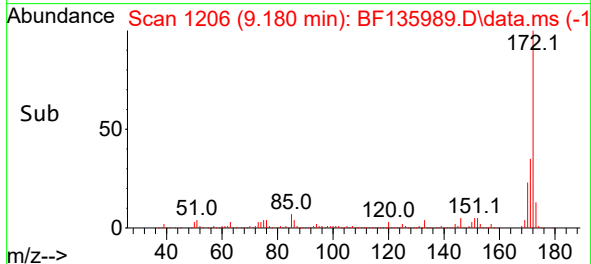
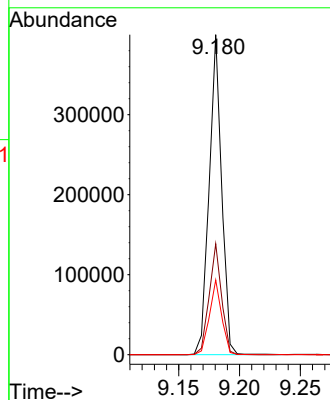
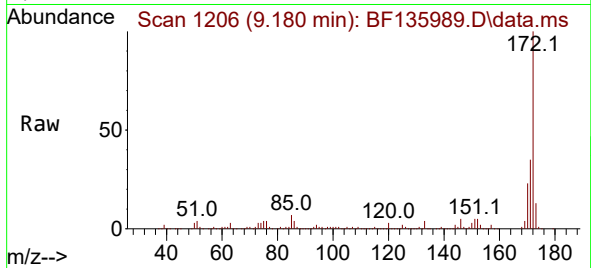
170 23.3 18.6 28.0

Manual Integrations

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Supervised By :mohammad ahmed 10/28/2023



#49

Acenaphthylene

Concen: 3.059 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.006 min

Lab File: BF135989.D

Acq: 27 Oct 2023 17:32

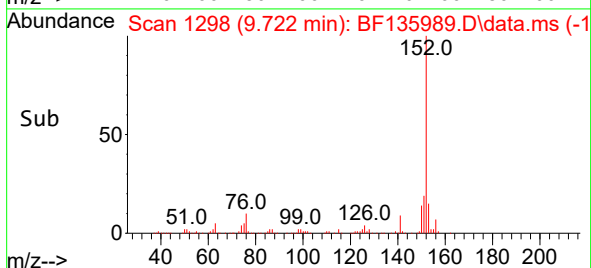
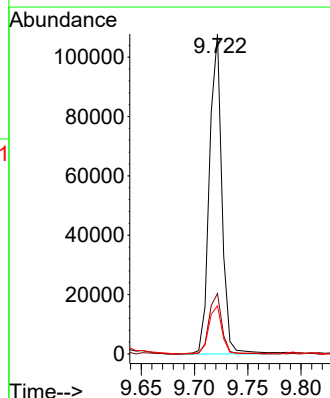
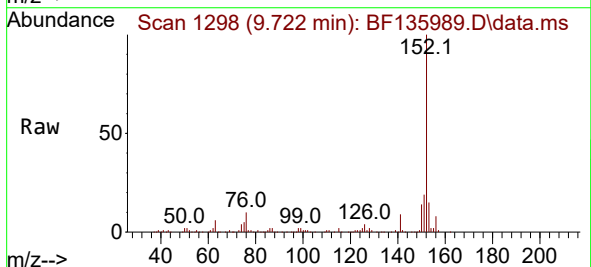
Tgt Ion:152 Resp: 88078

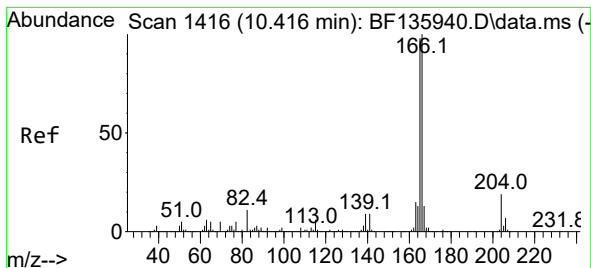
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152 100

151 18.9 16.0 24.0

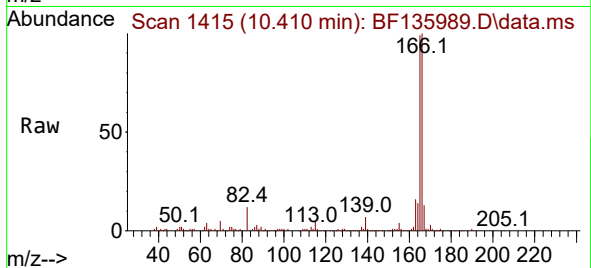
153 15.1 11.0 16.6





#58
Fluorene
Concen: 3.210 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

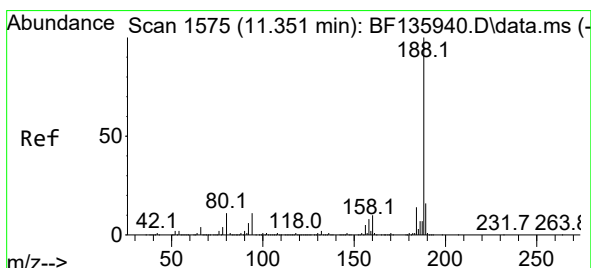
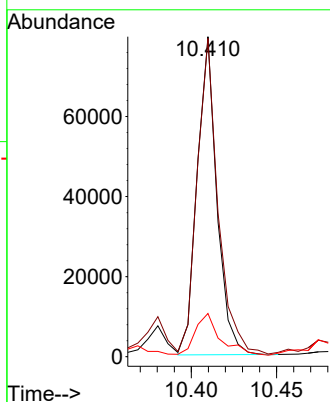
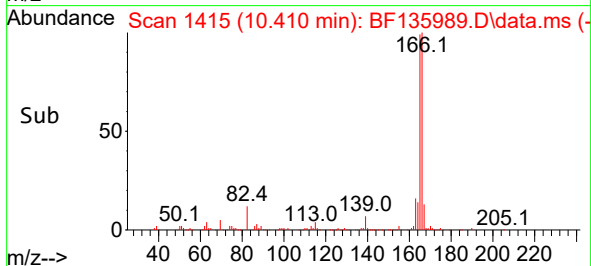
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S-1(0-5)DL



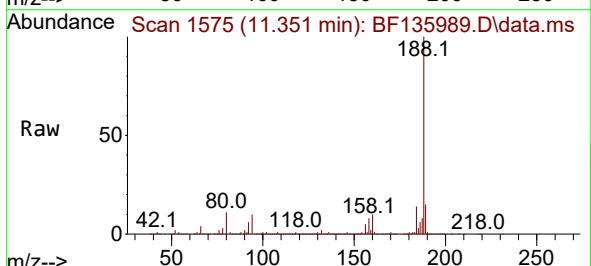
Tgt Ion:166 Resp: 6401
Ion Ratio Lower Upper
166 100
165 99.4 78.0 117.0
167 13.5 10.6 16.0

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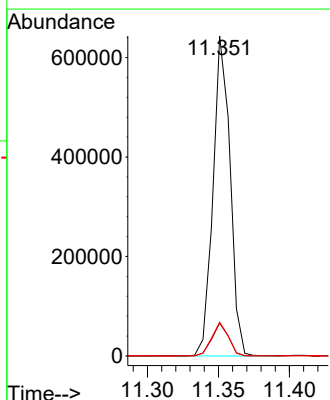
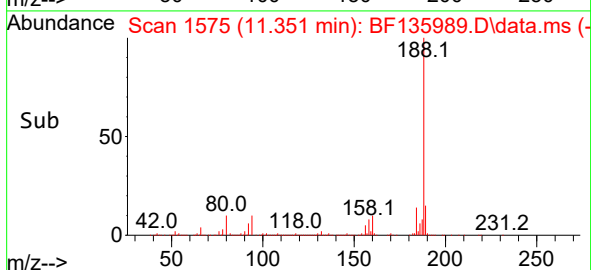
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

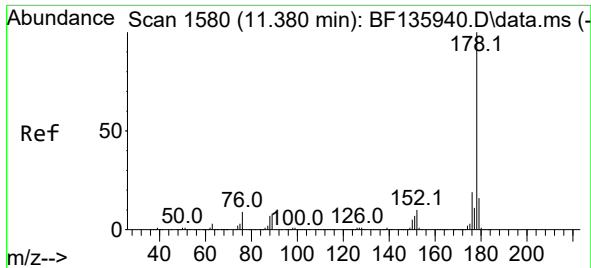


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32



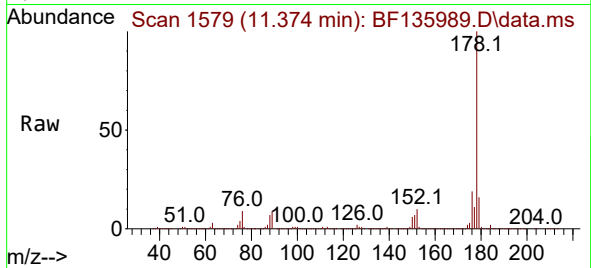
Tgt Ion:188 Resp: 535616
Ion Ratio Lower Upper
188 100
94 10.2 8.6 13.0
80 10.5 9.0 13.6





#71
Phenanthrene
Concen: 23.503 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

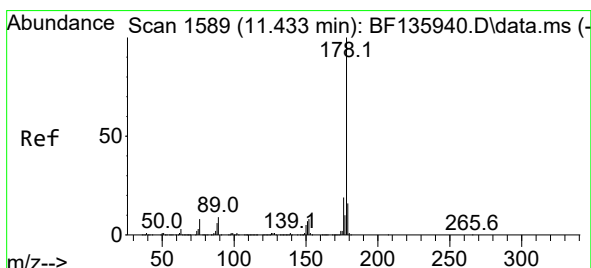
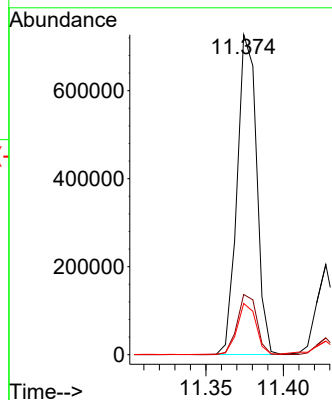
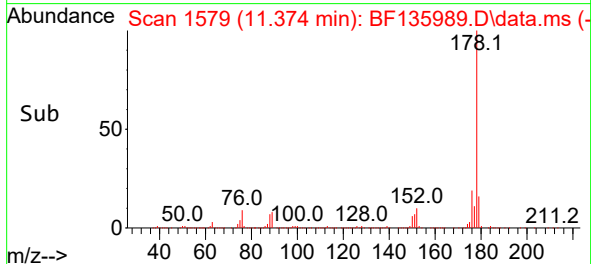
Instrument :
BNA_F
ClientSampleId :
S-1(0-5)DL



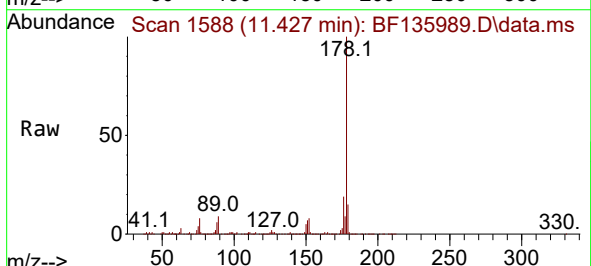
Tgt Ion:178 Resp: 636890
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.0 12.5 18.7

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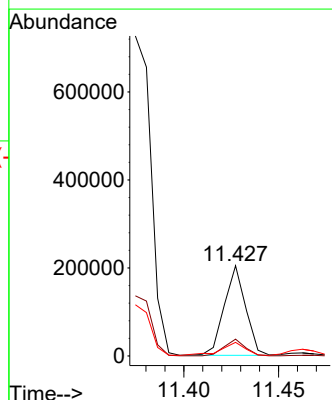
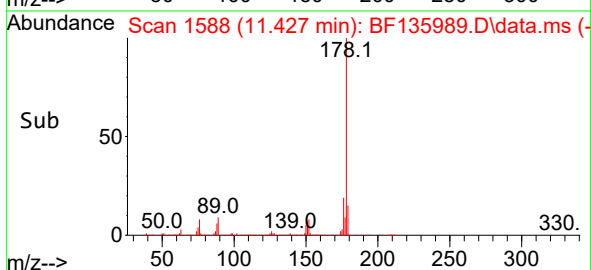
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

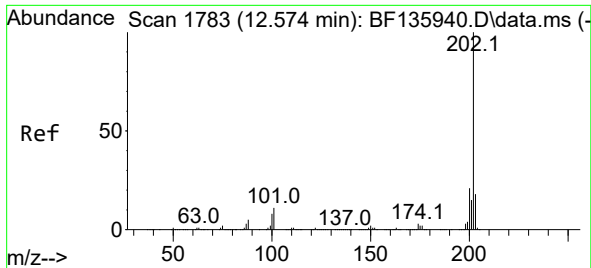


#72
Anthracene
Concen: 5.775 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32



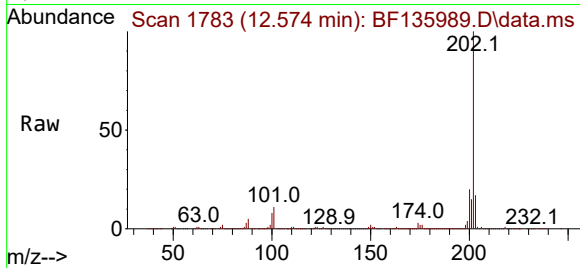
Tgt Ion:178 Resp: 160238
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.1 12.5 18.7





#75
Fluoranthene
Concen: 21.813 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

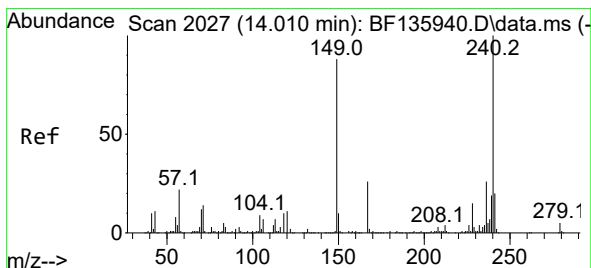
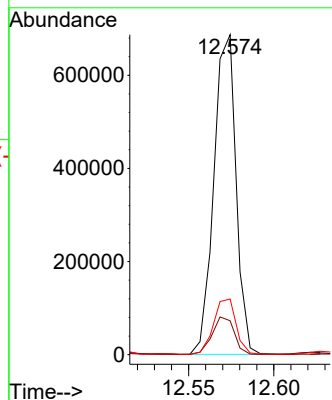
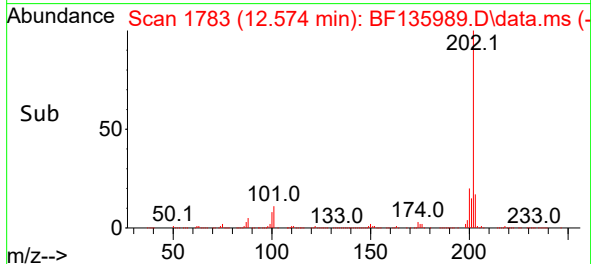
Instrument :
BNA_F
ClientSampleId :
S-1(0-5)DL



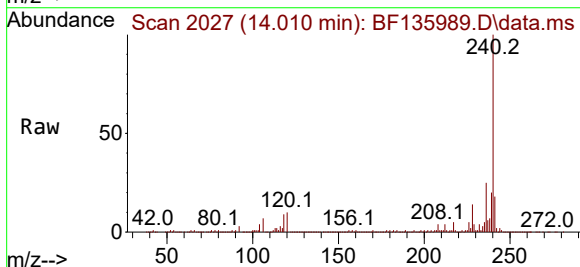
Tgt Ion:202 Resp: 62185
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.6
203 17.4 0.0 37.5

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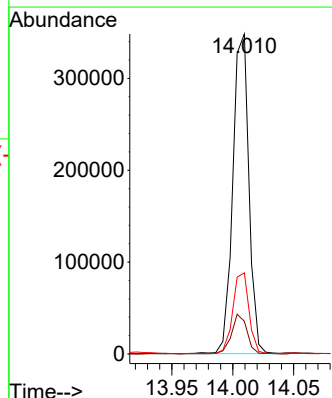
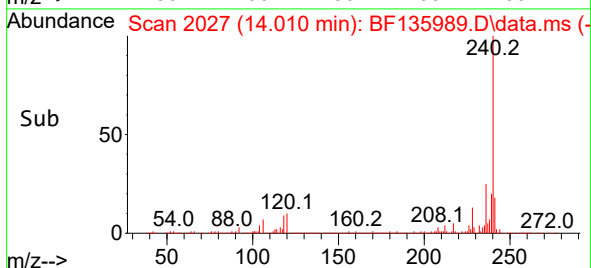
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

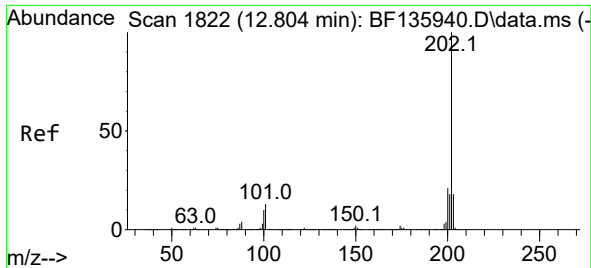


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32



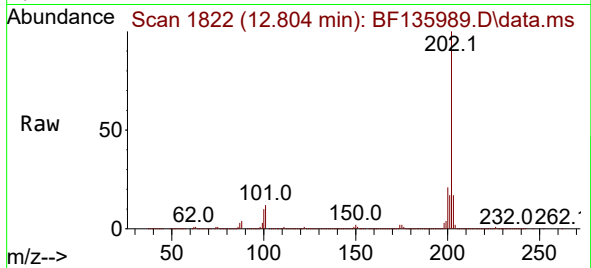
Tgt Ion:240 Resp: 320198
Ion Ratio Lower Upper
240 100
120 10.2 8.6 13.0
236 25.3 20.6 30.8





#78
Pyrene
Concen: 26.303 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

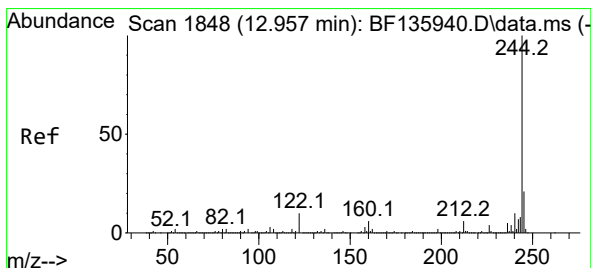
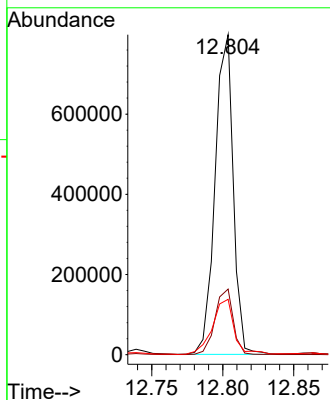
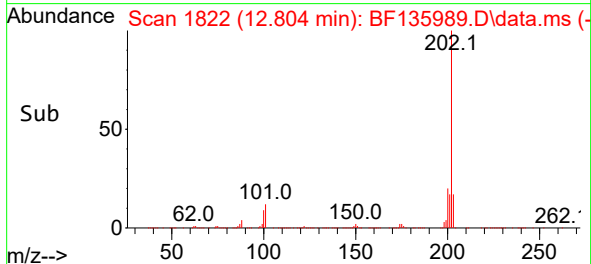
Instrument :
BNA_F
ClientSampleId :
S-1(0-5)DL



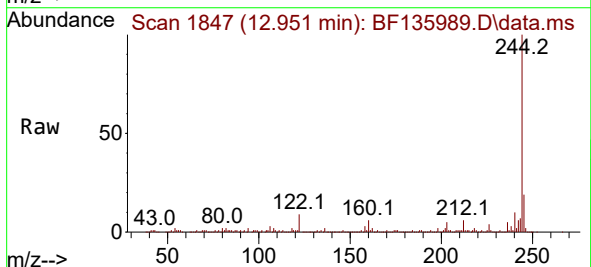
Tgt Ion:202 Resp: 707170
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 17.3 14.5 21.7

Manual Integrations
APPROVED

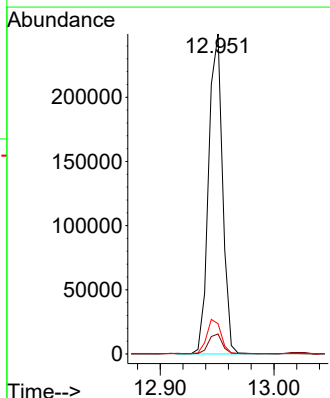
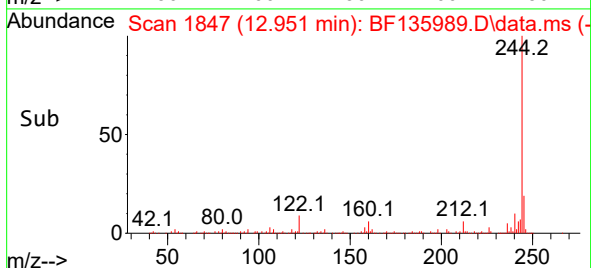
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

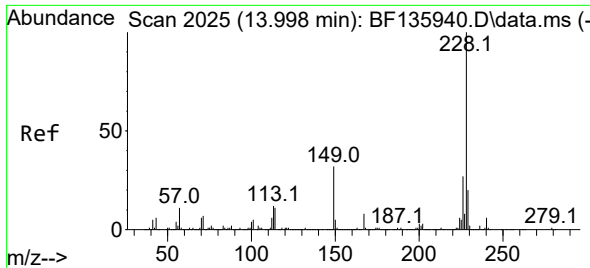


#79
Terphenyl-d14
Concen: 11.059 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32



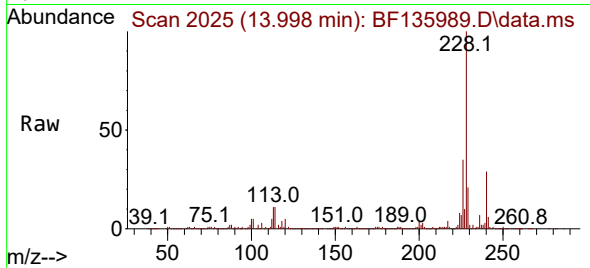
Tgt Ion:244 Resp: 211945
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.6
122 9.5 8.0 12.0





#81
Benzo(a)anthracene
Concen: 15.623 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

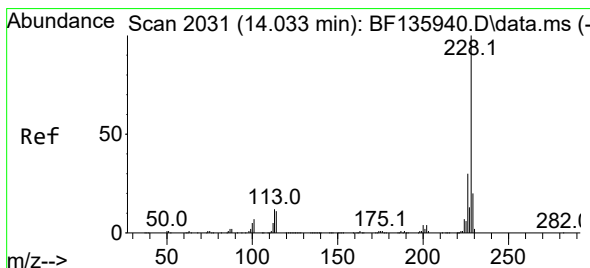
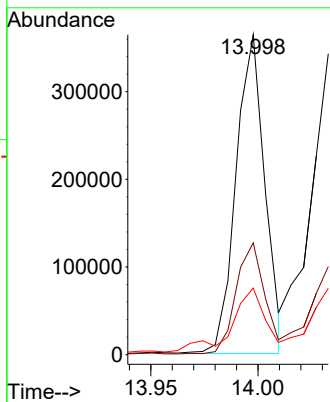
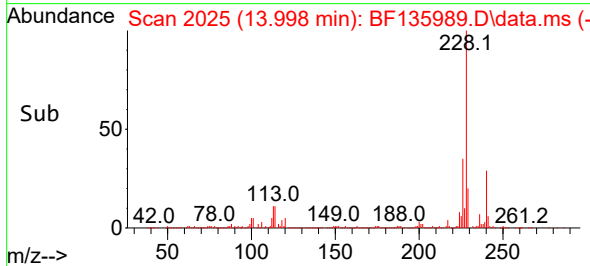
Instrument :
BNA_F
ClientSampleId :
S-1(0-5)DL



Tgt Ion:228 Resp: 340149
Ion Ratio Lower Upper
228 100
226 34.9 21.8 32.6
229 20.8 16.2 24.4

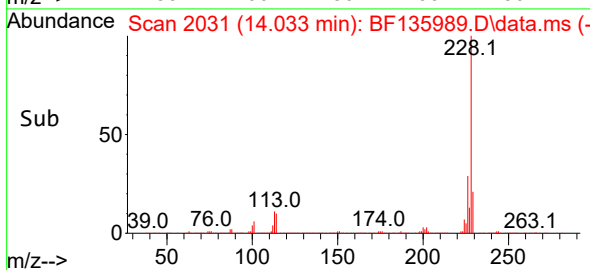
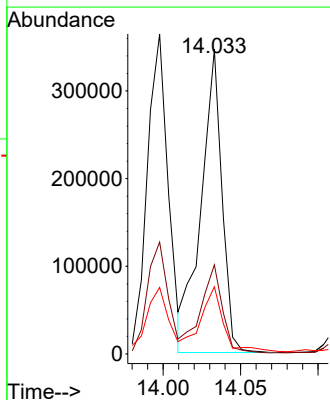
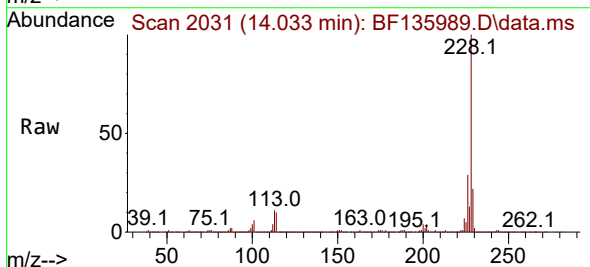
Manual Integrations
APPROVED

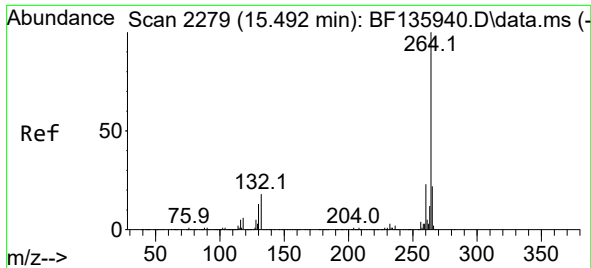
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#83
Chrysene
Concen: 15.347 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

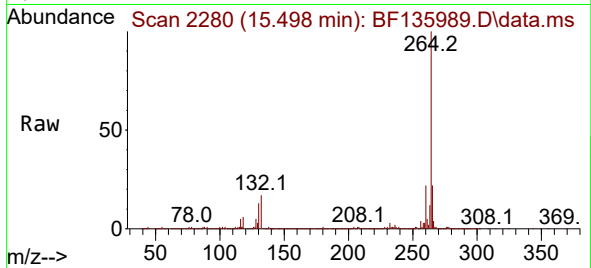
Tgt Ion:228 Resp: 325433
Ion Ratio Lower Upper
228 100
226 29.2 23.9 35.9
229 22.0 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

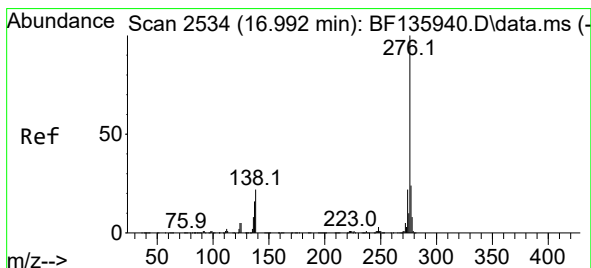
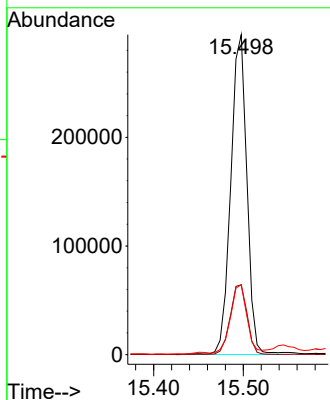
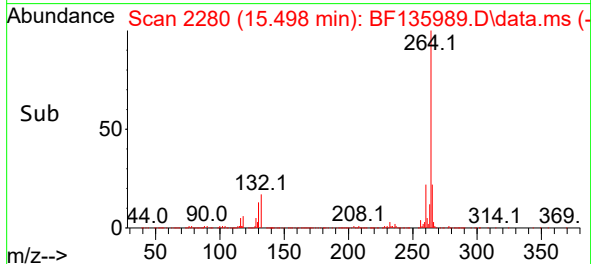
Instrument :
BNA_F
ClientSampleId :
S-1(0-5)DL



Tgt Ion:264 Resp: 36575
Ion Ratio Lower Upper
264 100
260 21.9 18.6 28.0
265 21.8 17.3 25.9

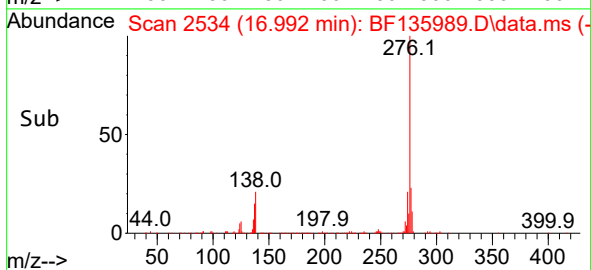
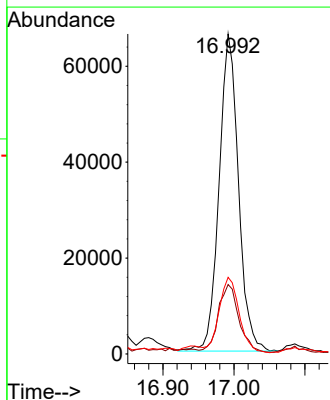
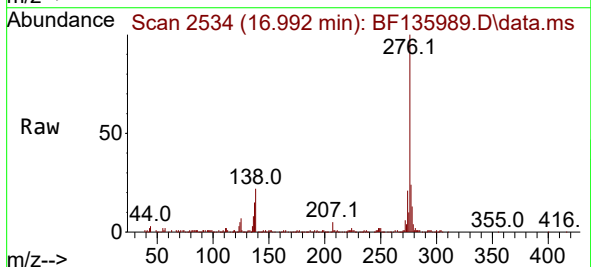
Manual Integrations
APPROVED

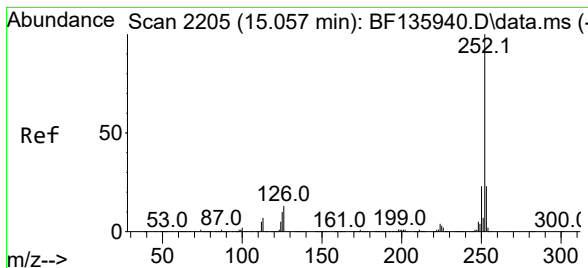
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.025 ng
RT: 16.992 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BF135989.D
Acq: 27 Oct 2023 17:32

Tgt Ion:276 Resp: 124954
Ion Ratio Lower Upper
276 100
138 22.8 21.8 32.6
277 24.6 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 18.353 ng m

RT: 15.057 min Scan# 2205

Delta R.T. -0.000 min

Lab File: BF135989.D

Acq: 27 Oct 2023 17:32

Instrument :

BNA_F

ClientSampleId :

S-1(0-5)DL

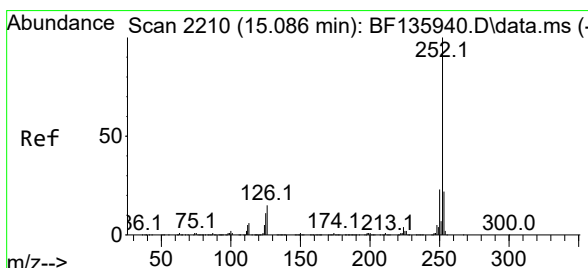
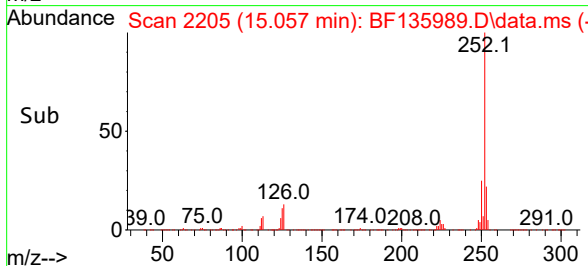
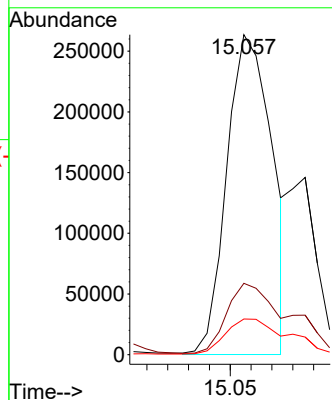
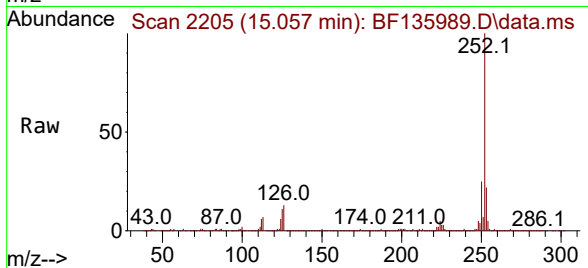
Tgt Ion:252 Resp: 399478
 Ion Ratio Lower Upper
 252 100
 253 22.3 18.0 27.0
 125 11.2 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#89

Benzo(k)fluoranthene

Concen: 6.438 ng m

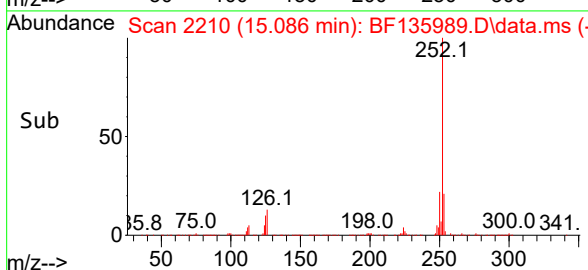
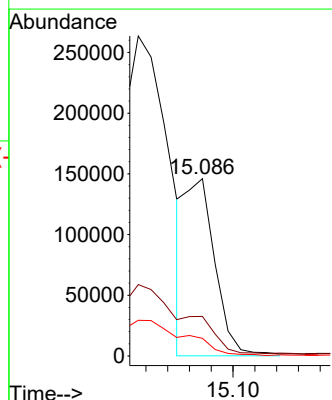
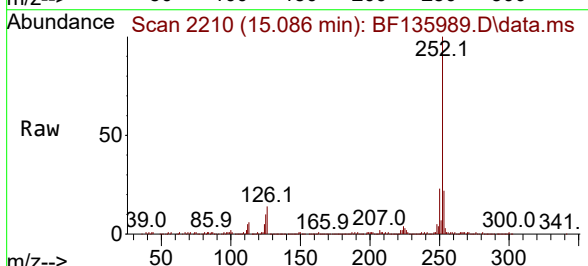
RT: 15.086 min Scan# 2210

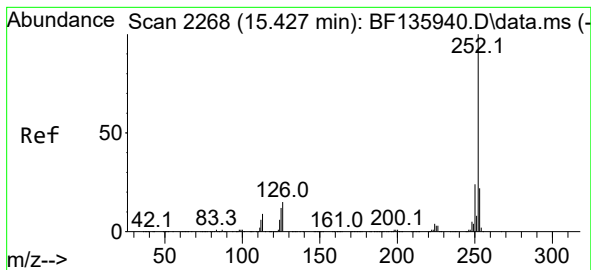
Delta R.T. -0.000 min

Lab File: BF135989.D

Acq: 27 Oct 2023 17:32

Tgt Ion:252 Resp: 137636
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 10.0 8.5 12.7





#90

Benzo(a)pyrene

Concen: 16.205 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135989.D

Acq: 27 Oct 2023 17:32

Instrument :

BNA_F

ClientSampleId :

S-1(0-5)DL

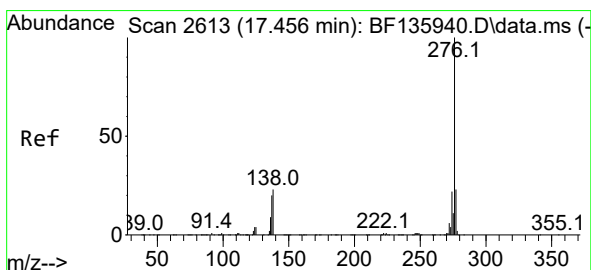
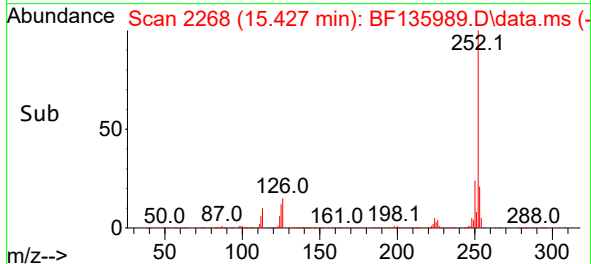
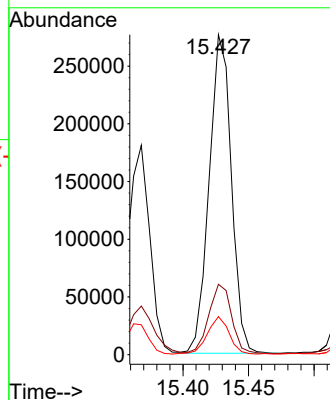
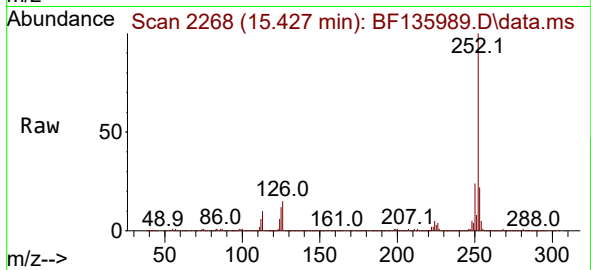
Tgt Ion:252 Resp: 325095
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.2
 125 11.9 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#92

Benzo(g,h,i)perylene

Concen: 8.798 ng

RT: 17.450 min Scan# 2612

Delta R.T. -0.006 min

Lab File: BF135989.D

Acq: 27 Oct 2023 17:32

Tgt Ion:276 Resp: 110302
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.6 28.0
 138 26.0 18.4 27.6

