

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135409.D
 Acq On : 22 Sep 2023 20:12
 Operator : CG\JU
 Sample : 04436-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B102-08

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

09/25/2023

Supervised By :mohammad
 ahmed

09/27/2023

Quant Time: Sep 23 04:58:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	158470	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	577356	20.000	ng	# 0.00
39) Acenaphthene-d10	9.792	164	264078	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	416600	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	247513	20.000	ng	0.00
86) Perylene-d12	15.415	264	312571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	711218	72.995	ng	0.00
7) Phenol-d6	6.404	99	850167	68.622	ng	0.00
23) Nitrobenzene-d5	7.322	82	502971	47.330	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	145263	55.353	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	821553	46.937	ng	-0.01
79) Terphenyl-d14	12.880	244	509549	31.913	ng	-0.01
Target Compounds						
31) Naphthalene	8.057	128	88179	3.143	ng	# 93
38) 1-Methylnaphthalene	8.851	142	86867	4.920	ng	97
52) Acenaphthene	9.828	154	42130	2.914	ng	97
55) Dibenzofuran	9.998	168	50206	2.276	ng	# 96
58) Fluorene	10.345	166	49888	2.942	ng	98
71) Phenanthrene	11.310	178	344915	17.505	ng	99
72) Anthracene	11.363	178	79699	3.935	ng	99
73) Carbazole	11.527	167	49880	2.705	ng	97
75) Fluoranthene	12.510	202	410192	19.979	ng	99
78) Pyrene	12.739	202	332922	14.128	ng	98
81) Benzo(a)anthracene	13.939	228	156619	9.799	ng	99
83) Chrysene	13.974	228	151010	9.503	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	73455	3.584	ng	98
88) Benzo(b)fluoranthene	14.986	252	180504m	10.668	ng	
89) Benzo(k)fluoranthene	15.015	252	69053m	4.131	ng	
90) Benzo(a)pyrene	15.351	252	133336	8.263	ng	# 81
92) Benzo(g,h,i)perylene	17.351	276	61845	3.531	ng	# 83

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

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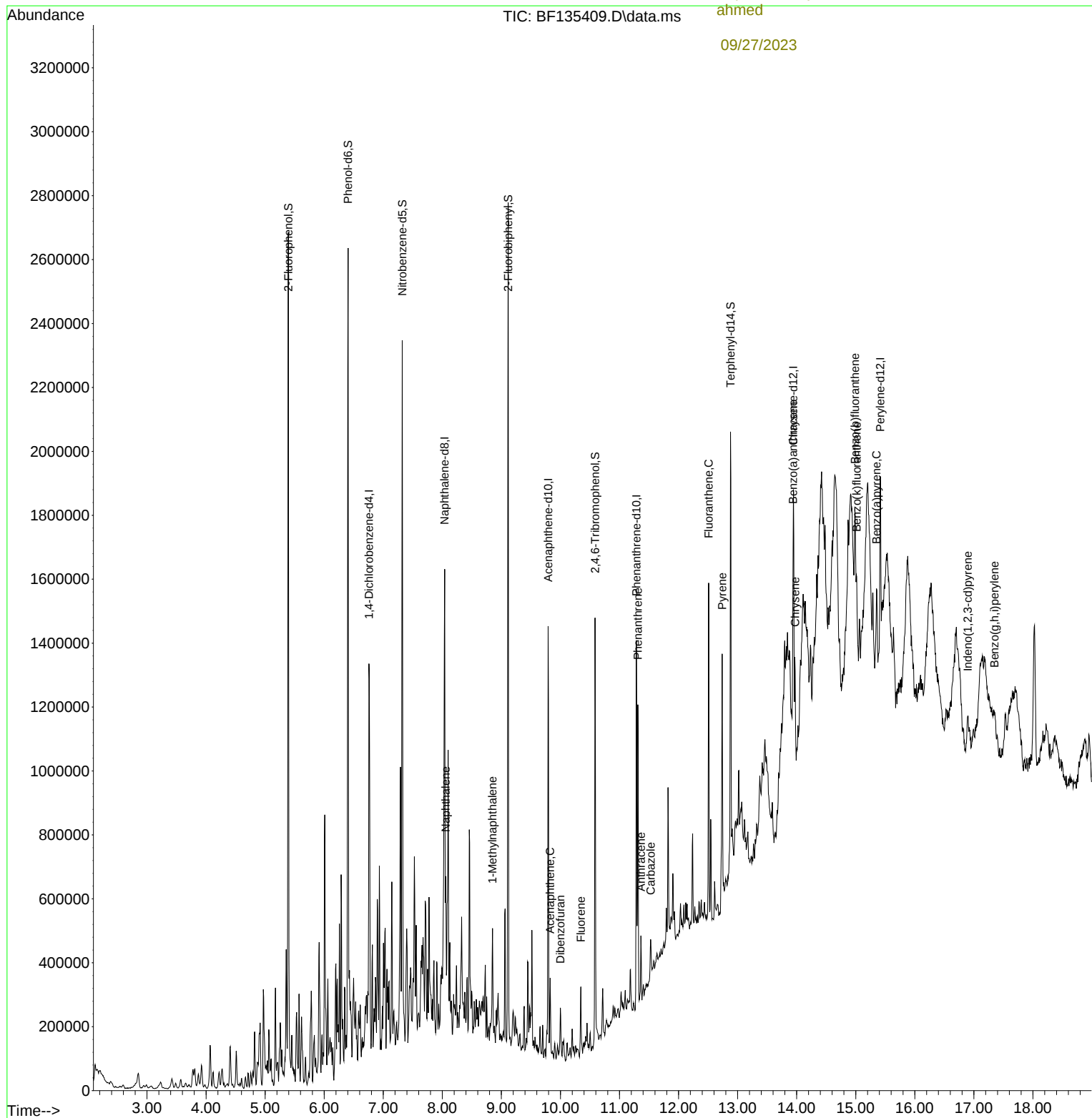
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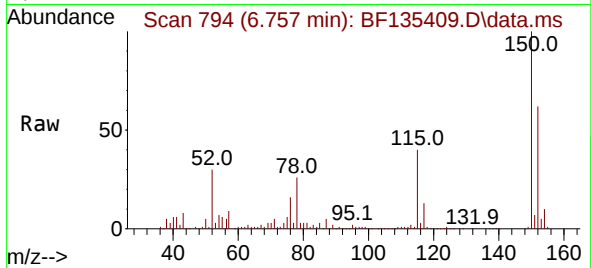
Quant Time: Sep 23 04:58:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
B102-08



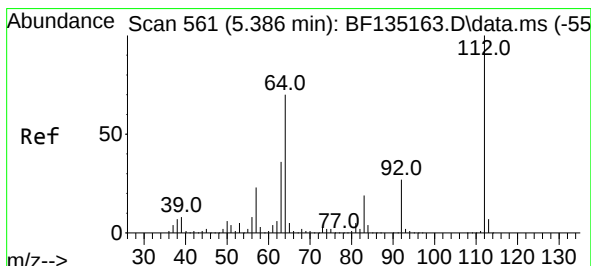
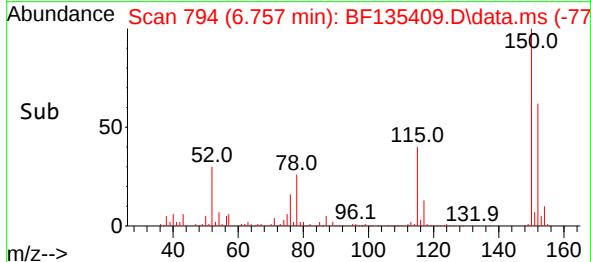
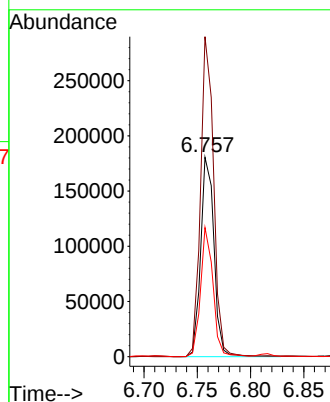
Tgt Ion:152 Resp: 158470
Ion Ratio Lower Upper
152 100
150 160.5 127.8 191.6
115 64.8 49.8 74.8

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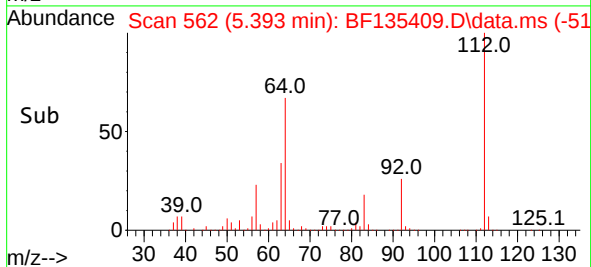
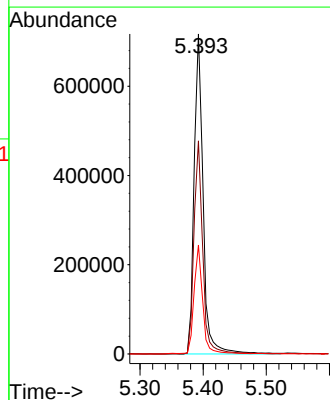
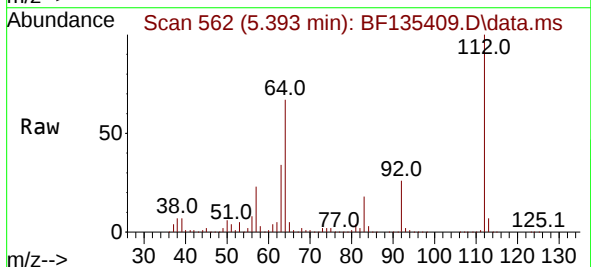
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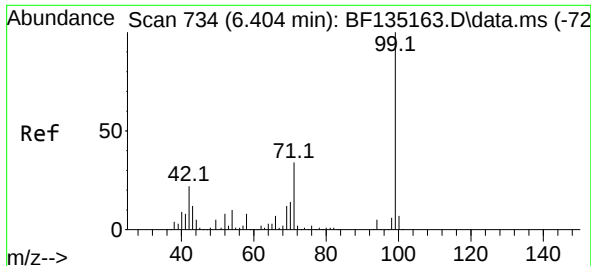
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#5
2-Fluorophenol
Concen: 72.995 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

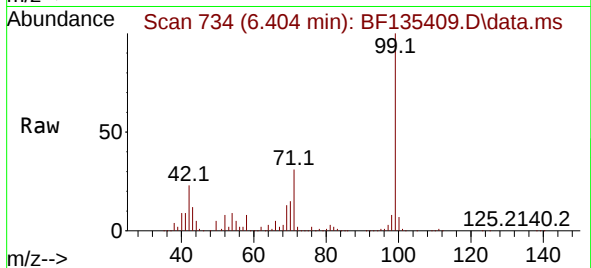
Tgt Ion:112 Resp: 711218
Ion Ratio Lower Upper
112 100
64 66.6 55.9 83.9
63 34.1 29.0 43.6





#7
Phenol-d6
Concen: 68.622 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
B102-08



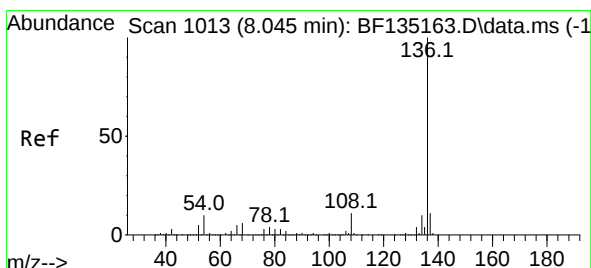
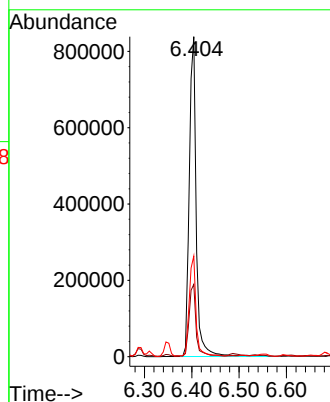
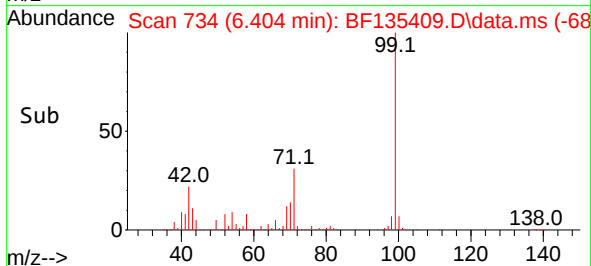
Tgt Ion: 99 Resp: 85016
Ion Ratio Lower Upper
99 100
42 22.6 17.9 26.9
71 31.5 27.0 40.6

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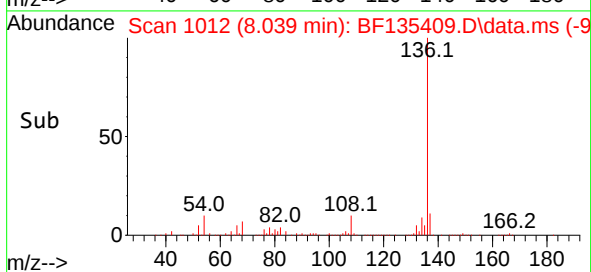
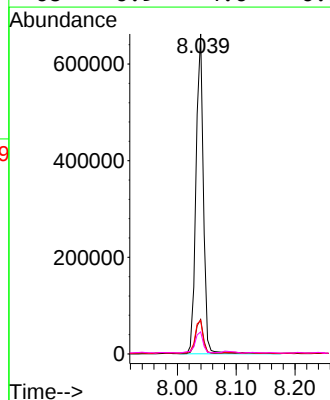
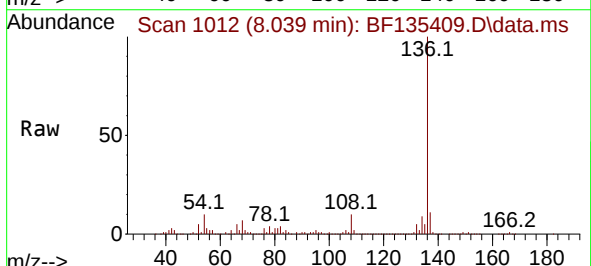
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion:136 Resp: 577356
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.4 7.7 11.5
68 6.9 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 47.330 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135409.D

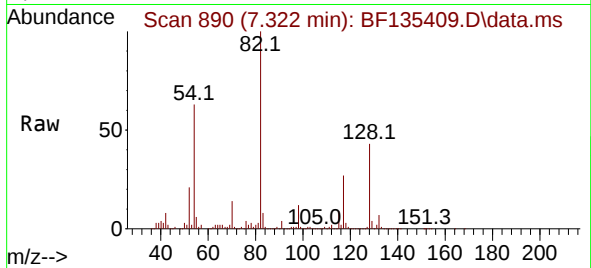
Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08



Tgt Ion:	82	Resp:	50297
Ion Ratio	Lower	Upper	
82	100		
128	43.3	35.8	53.6
54	63.0	50.6	76.0

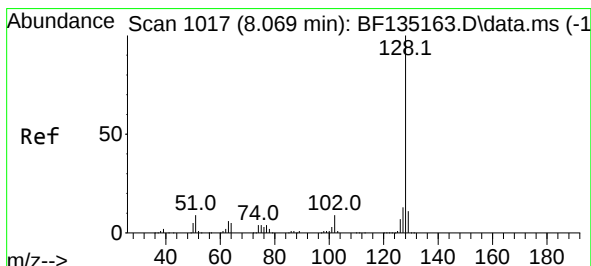
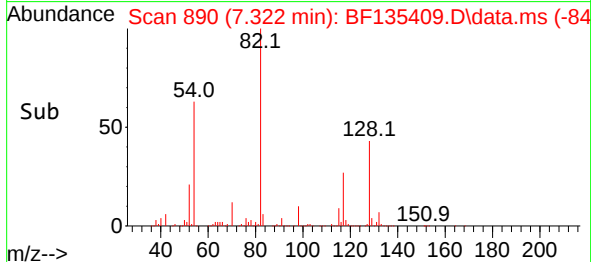
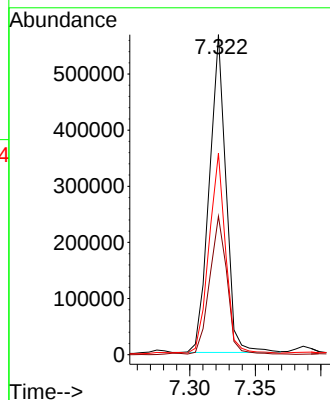
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#31

Naphthalene

Concen: 3.143 ng

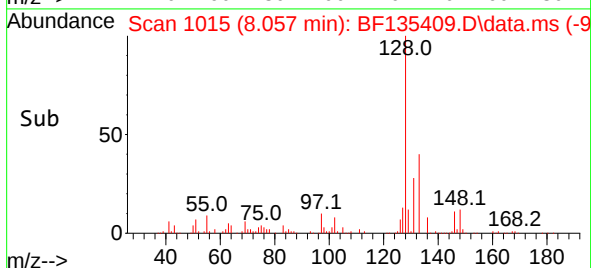
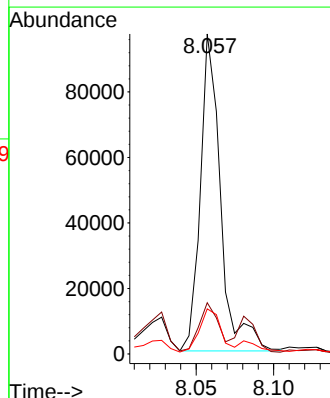
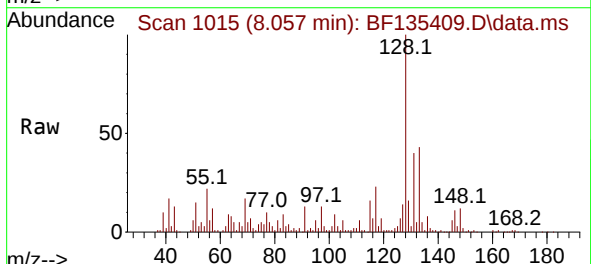
RT: 8.057 min Scan# 1015

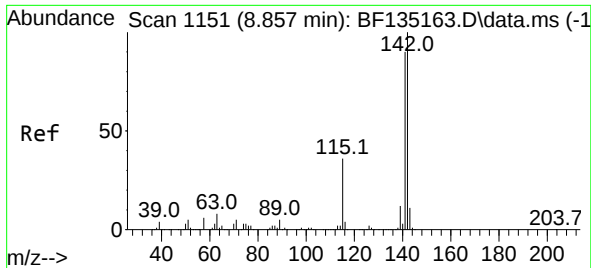
Delta R.T. -0.012 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

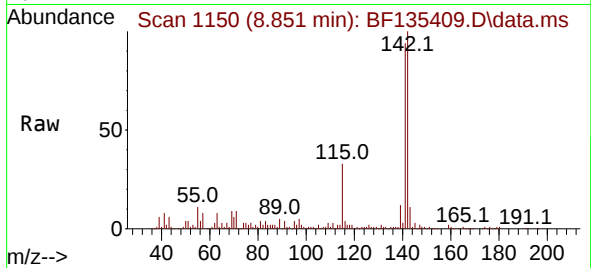
Tgt Ion:	128	Resp:	88179
Ion Ratio	Lower	Upper	
128	100		
129	16.0	8.7	13.1#
127	14.1	10.7	16.1





#38
1-Methylnaphthalene
Concen: 4.920 ng
RT: 8.851 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
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ClientSampleId :
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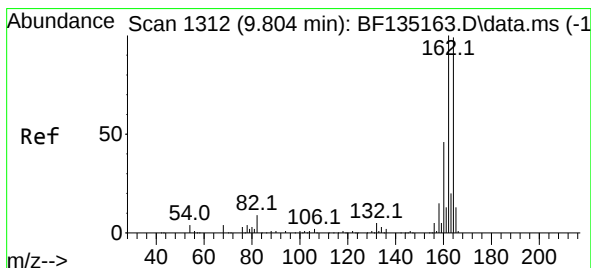
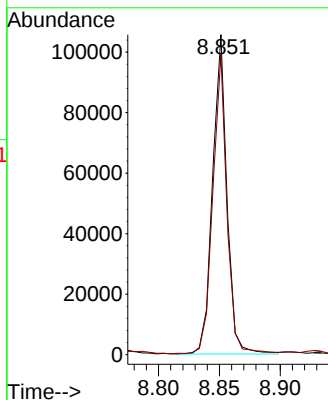
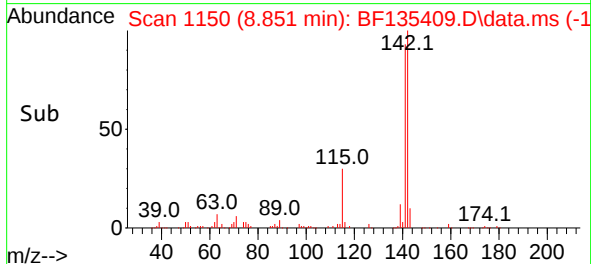
Tgt Ion:142 Resp: 8686
Ion Ratio Lower Upper
142 100
141 93.8 72.4 108.6

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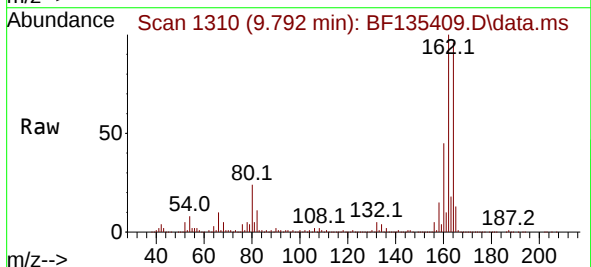
Reviewed By :Yogesh
Patel

09/25/2023
Supervised By :mohammad
ahmed

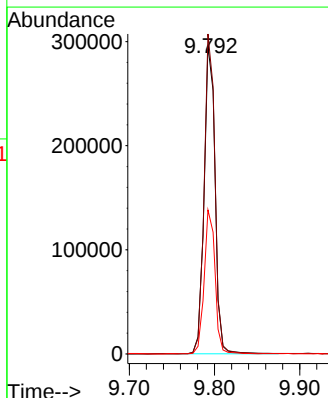
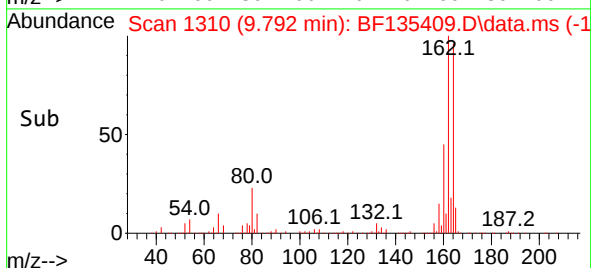
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12



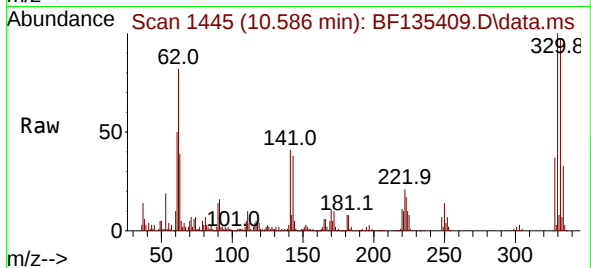
Tgt Ion:164 Resp: 264078
Ion Ratio Lower Upper
164 100
162 103.8 81.0 121.4
160 46.7 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 55.353 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
B102-08



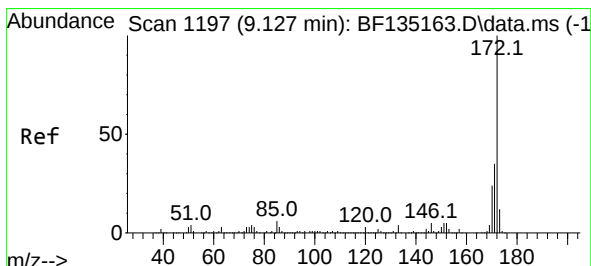
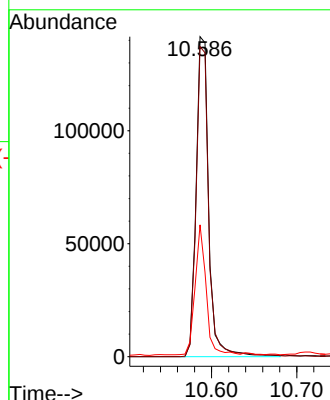
Tgt Ion: 330 Resp: 145263
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 35.2 25.8 38.8

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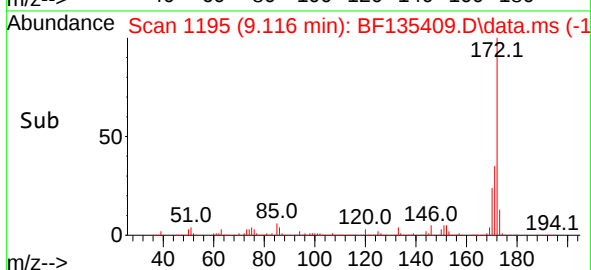
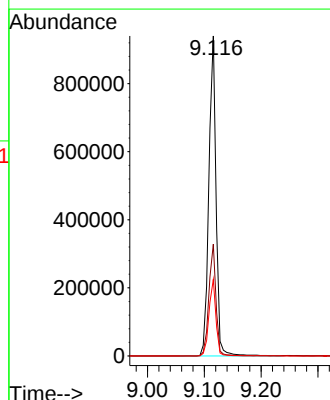
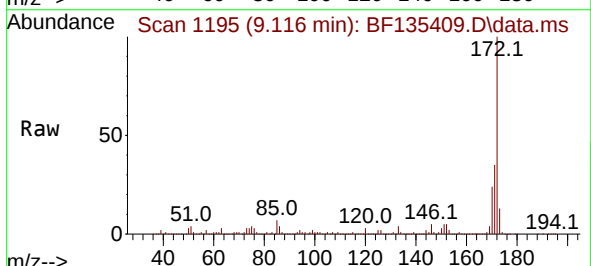
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Supervised By : mohammad
ahmed

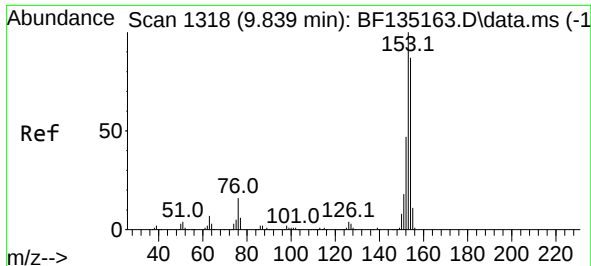
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#45
2-Fluorobiphenyl
Concen: 46.937 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

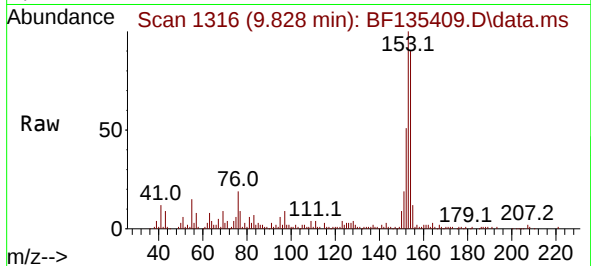
Tgt Ion: 172 Resp: 821553
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.9 19.0 28.4





#52
Acenaphthene
Concen: 2.914 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
B102-08



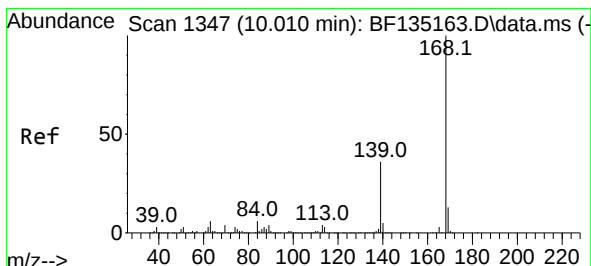
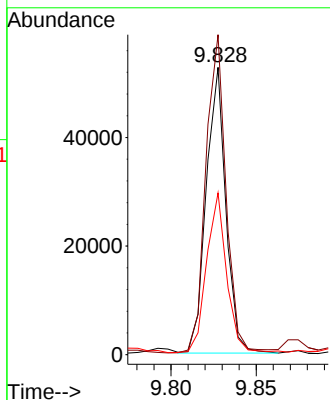
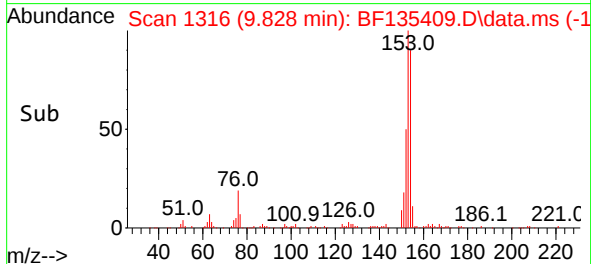
Tgt Ion:154 Resp: 42130
Ion Ratio Lower Upper
154 100
153 111.4 92.1 138.1
152 56.3 43.1 64.7

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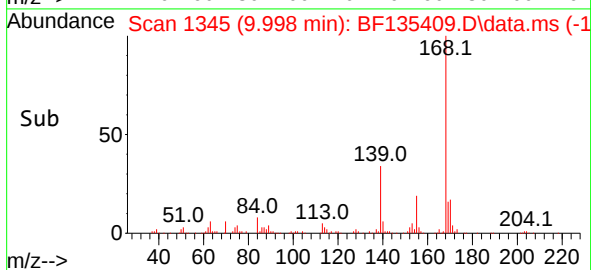
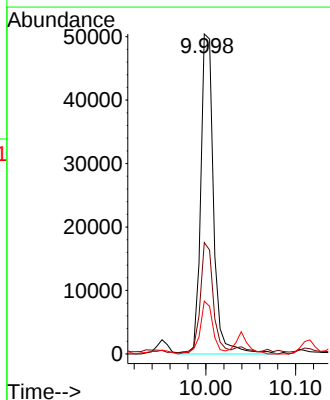
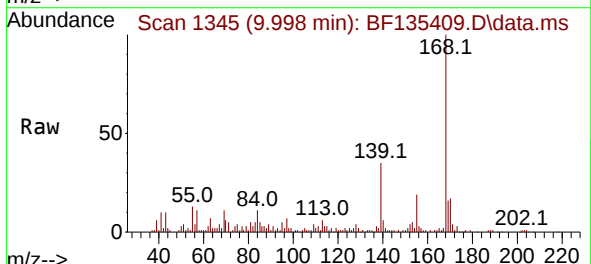
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ahmed

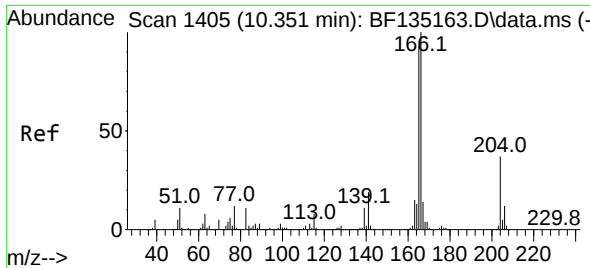
09/27/2023



#55
Dibenzofuran
Concen: 2.276 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

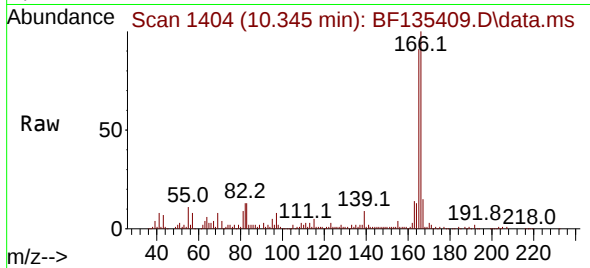
Tgt Ion:168 Resp: 50206
Ion Ratio Lower Upper
168 100
139 34.8 29.0 43.6
169 16.5 10.4 15.6#





#58
Fluorene
Concen: 2.942 ng
RT: 10.345 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
B102-08



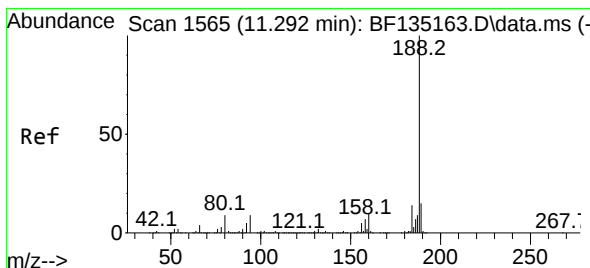
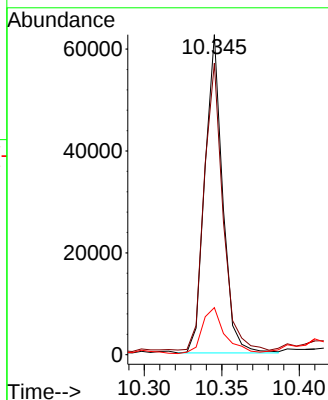
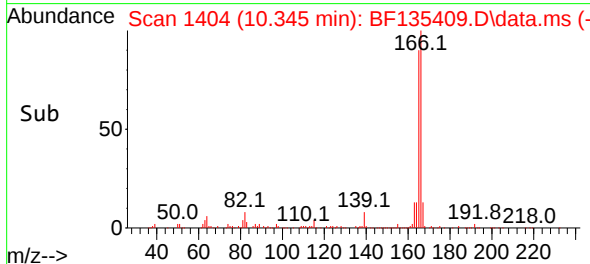
Tgt Ion:166 Resp: 49888
Ion Ratio Lower Upper
166 100
165 91.1 74.3 111.5
167 14.7 10.9 16.3

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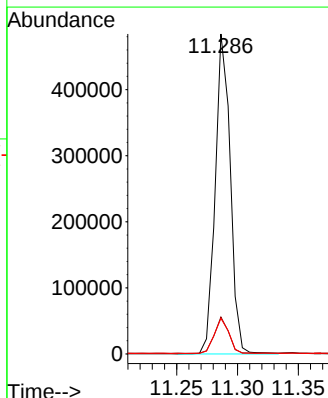
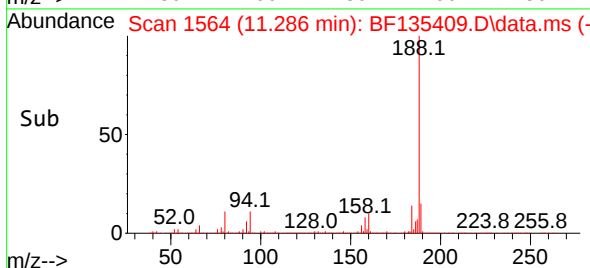
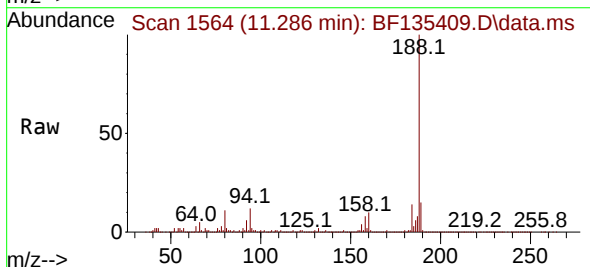
09/25/2023
Supervised By :mohammad
ahmed

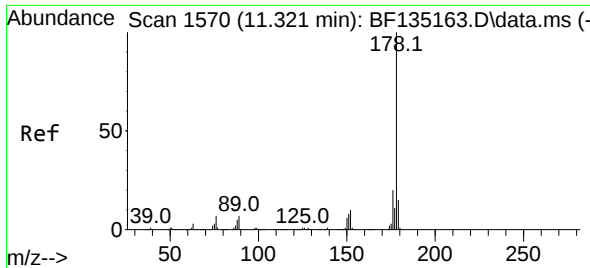
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

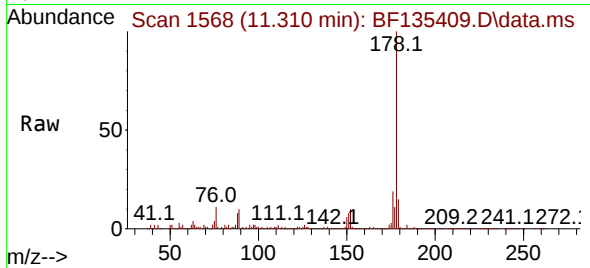
Tgt Ion:188 Resp: 416600
Ion Ratio Lower Upper
188 100
94 11.5 7.0 10.6#
80 11.1 7.5 11.3





#71
Phenanthrene
Concen: 17.505 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
B102-08



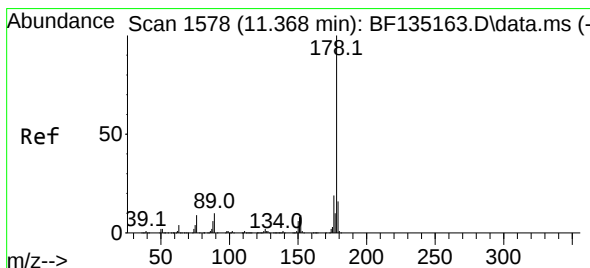
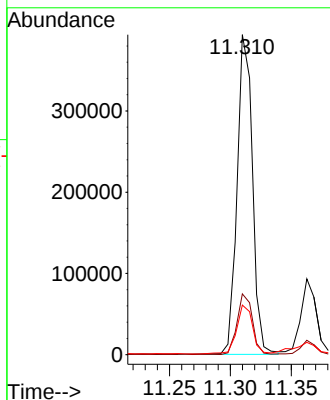
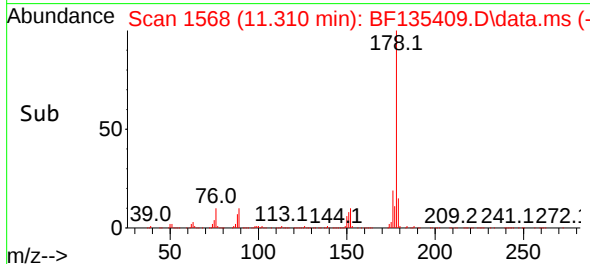
Tgt Ion:178 Resp: 344915
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.5 12.0 18.0

Manual Integrations
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Reviewed By :Yogesh
Patel

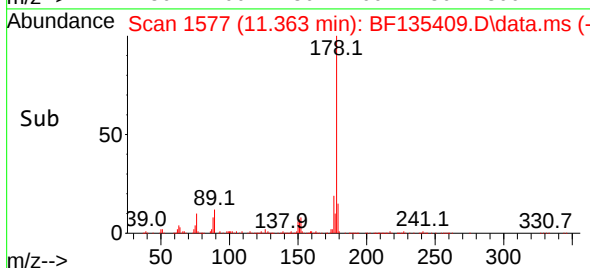
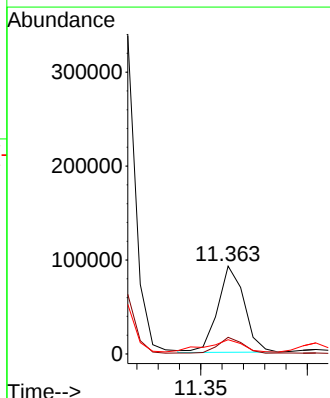
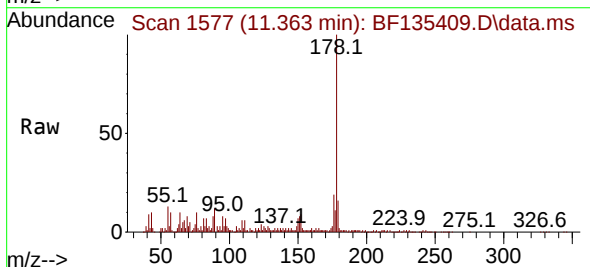
09/25/2023
Supervised By :mohammad
ahmed

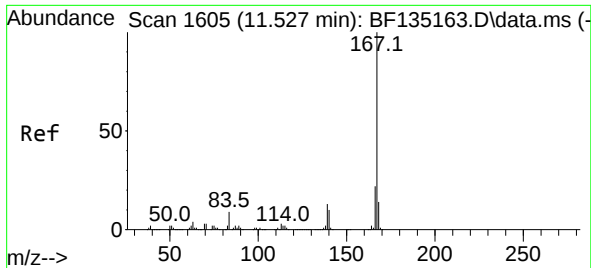
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#72
Anthracene
Concen: 3.935 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

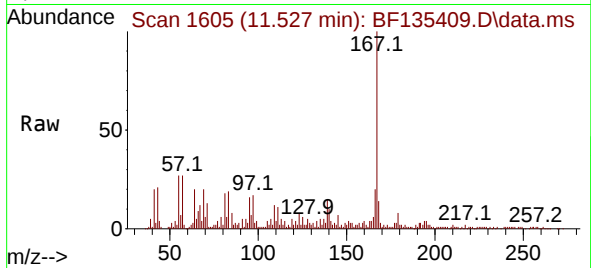
Tgt Ion:178 Resp: 79699
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 16.3 12.6 19.0





#73
 Carbazole
 Concen: 2.705 ng
 RT: 11.527 min Scan# 1605
 Delta R.T. 0.000 min
 Lab File: BF135409.D
 Acq: 22 Sep 2023 20:12

Instrument :
 BNA_F
 ClientSampleId :
 B102-08



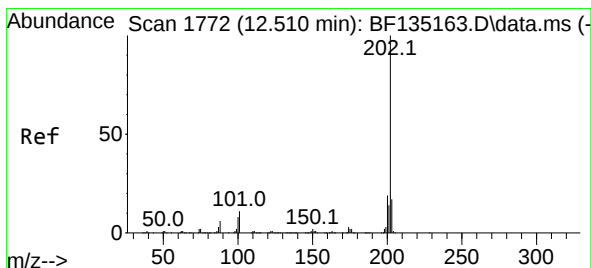
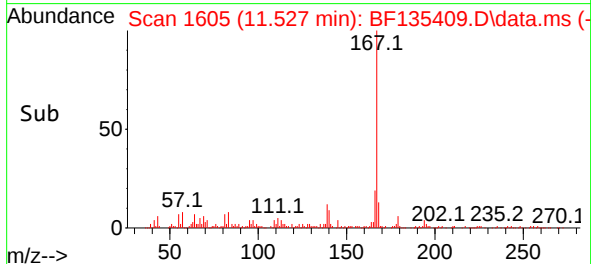
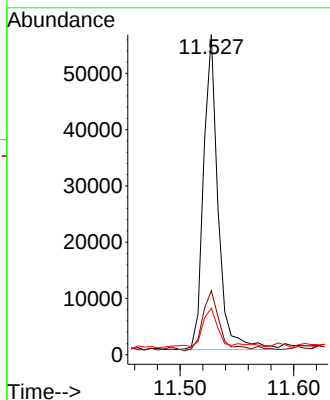
Tgt Ion:167 Resp: 49880
 Ion Ratio Lower Upper
 167 100
 166 20.0 17.4 26.0
 139 14.5 10.6 15.8

Manual Integrations
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Reviewed By :Yogesh
 Patel

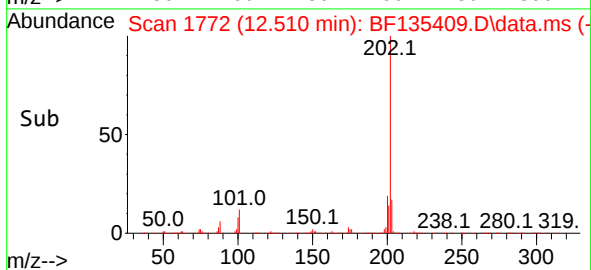
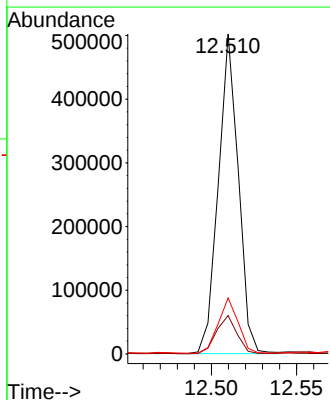
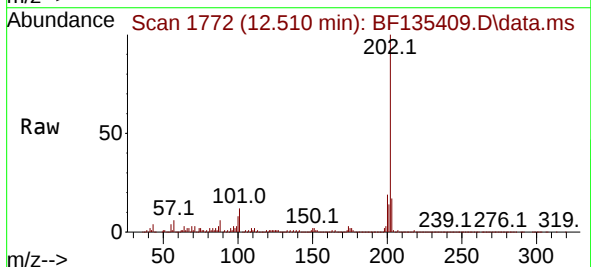
09/25/2023
 Supervised By :mohammad
 ahmed

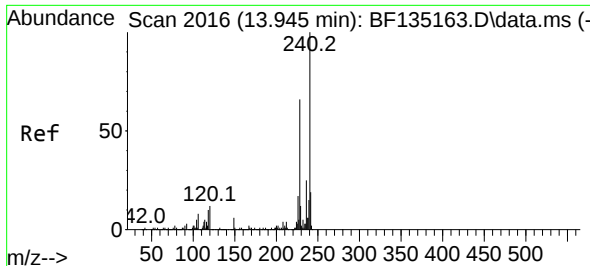
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#75
 Fluoranthene
 Concen: 19.979 ng
 RT: 12.510 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: BF135409.D
 Acq: 22 Sep 2023 20:12

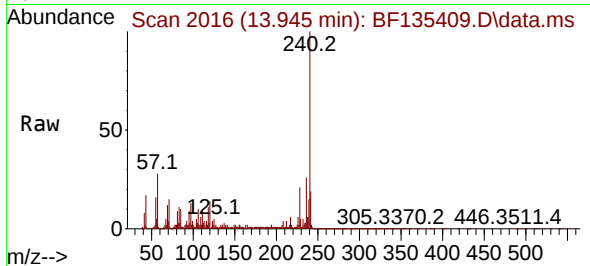
Tgt Ion:202 Resp: 410192
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.3
 203 17.5 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
B102-08



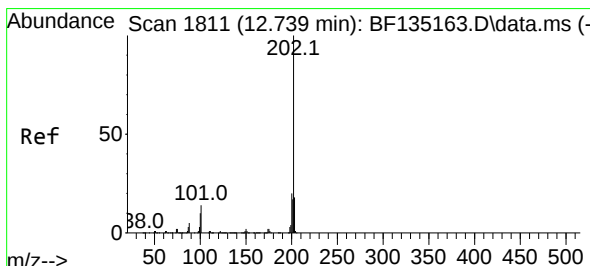
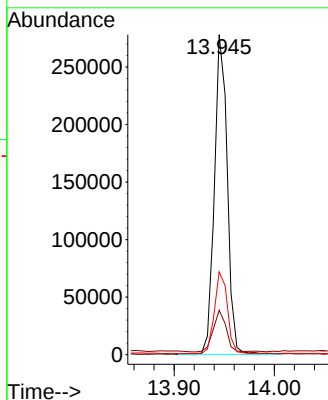
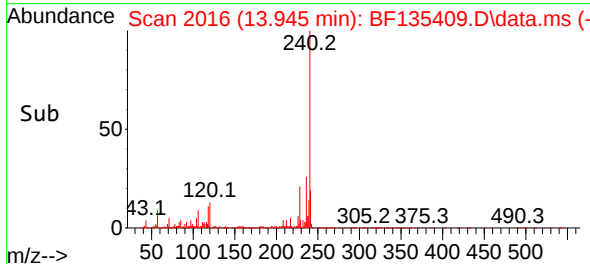
Tgt Ion:240 Resp: 247511
Ion Ratio Lower Upper
240 100
120 13.9 9.4 14.2
236 25.9 19.8 29.8

Manual Integrations
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Reviewed By :Yogesh
Patel

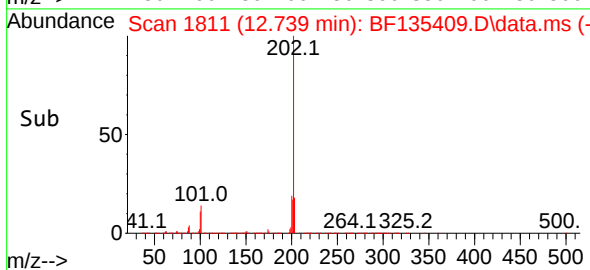
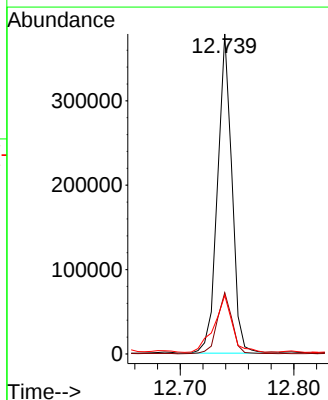
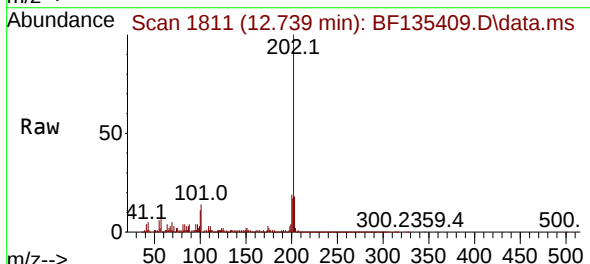
09/25/2023
Supervised By :mohammad
ahmed

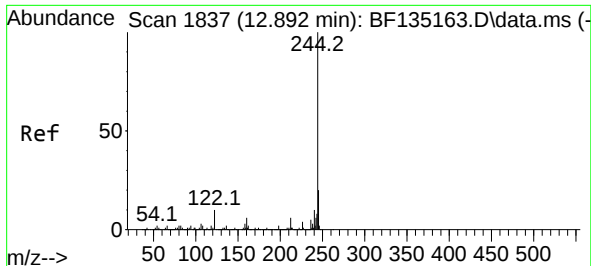
09/27/2023



#78
Pyrene
Concen: 14.128 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

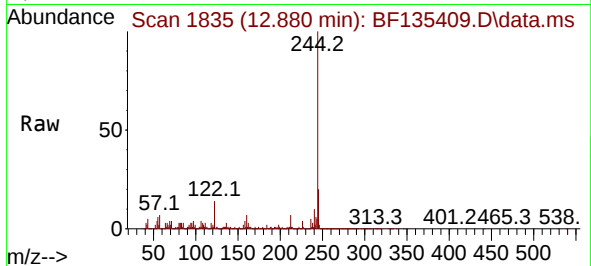
Tgt Ion:202 Resp: 332922
Ion Ratio Lower Upper
202 100
200 19.1 16.2 24.2
203 18.3 14.2 21.4





#79
 Terphenyl-d14
 Concen: 31.913 ng
 RT: 12.880 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF135409.D
 Acq: 22 Sep 2023 20:12

Instrument :
 BNA_F
 ClientSampleId :
 B102-08



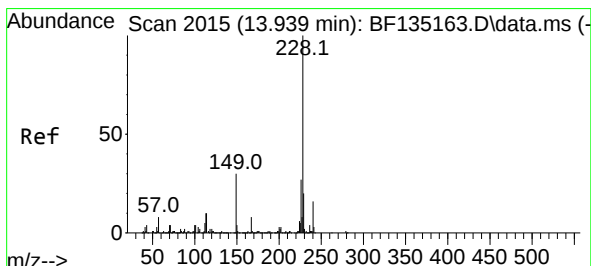
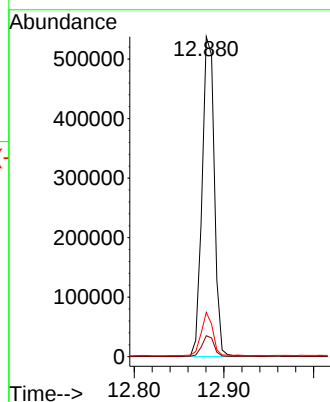
Tgt Ion:244 Resp: 509549
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 13.9 7.9 11.9

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Reviewed By :Yogesh
 Patel

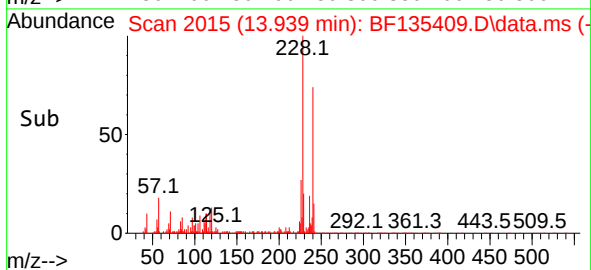
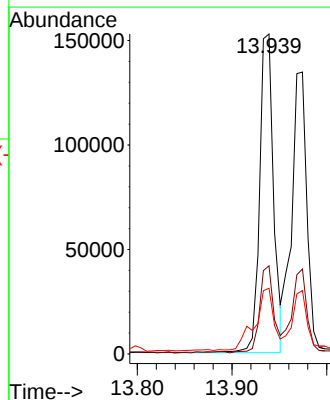
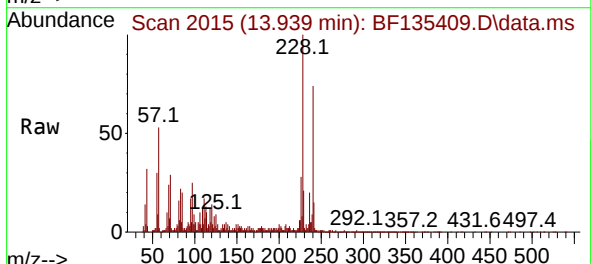
09/25/2023
 Supervised By :mohammad
 ahmed

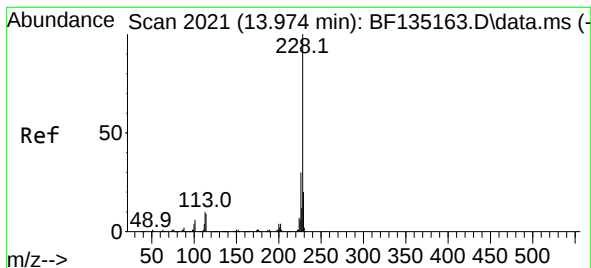
09/27/2023



#81
 Benzo(a)anthracene
 Concen: 9.799 ng
 RT: 13.939 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: BF135409.D
 Acq: 22 Sep 2023 20:12

Tgt Ion:228 Resp: 156619
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.7 32.5
 229 20.6 15.8 23.8





#83

Chrysene

Concen: 9.503 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08

Tgt Ion:228	Resp: 151010
Ion Ratio	Lower Upper
228 100	
226 30.1	24.3 36.5
229 22.5	16.0 24.0

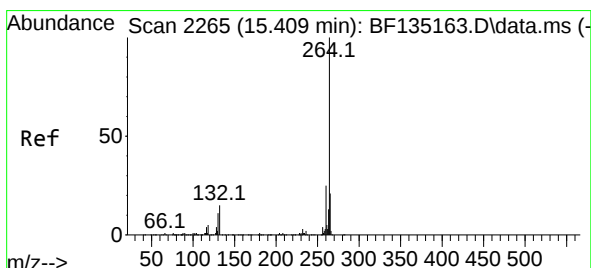
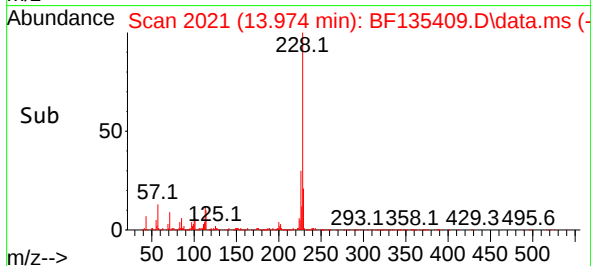
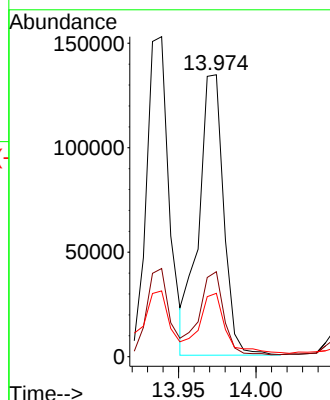
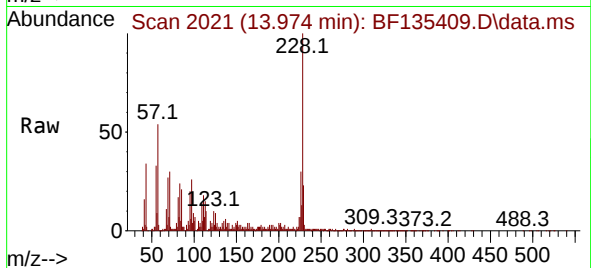
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Reviewed By :Yogesh
Patel

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Supervised By :mohammad
ahmed

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#86

Perylene-d12

Concen: 20.000 ng

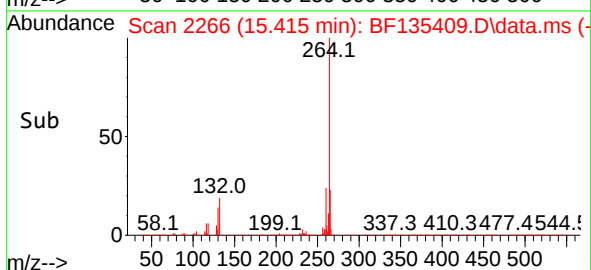
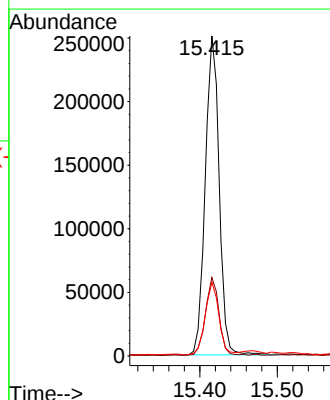
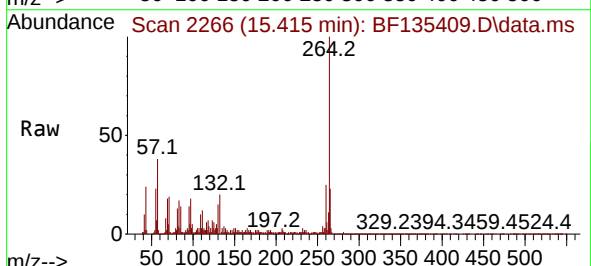
RT: 15.415 min Scan# 2266

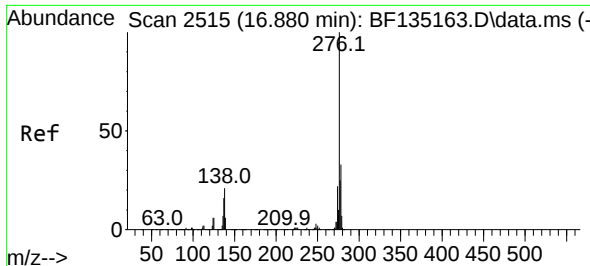
Delta R.T. 0.006 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

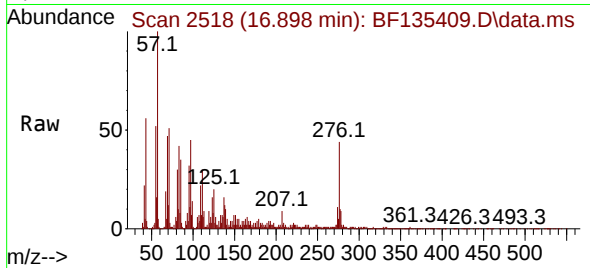
Tgt Ion:264	Resp: 312571
Ion Ratio	Lower Upper
264 100	
260 24.5	19.8 29.6
265 23.1	17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.584 ng
RT: 16.898 min Scan# 2118
Delta R.T. 0.018 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
B102-08



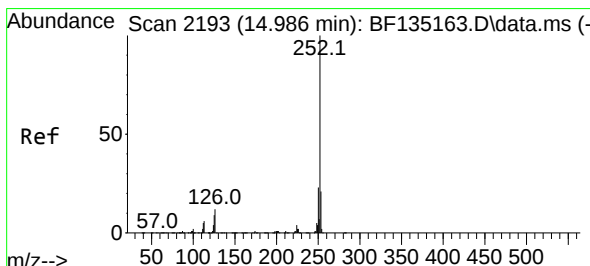
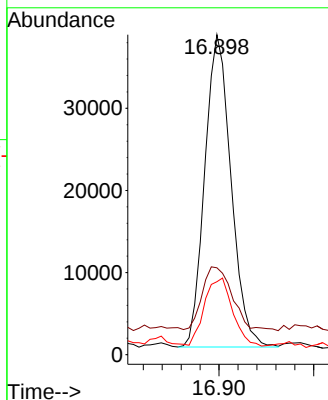
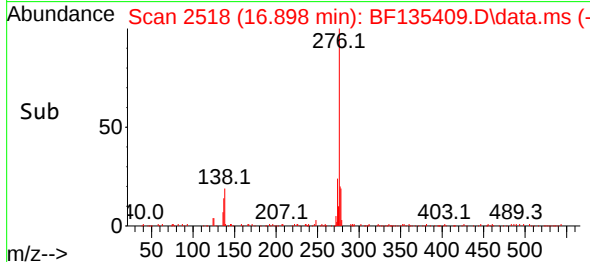
Tgt Ion: 276 Resp: 7345
Ion Ratio Lower Upper
276 100
138 23.4 19.2 28.8
277 22.8 19.7 29.5

Manual Integrations
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Reviewed By : Yogesh
Patel

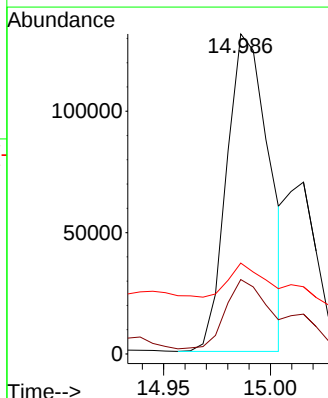
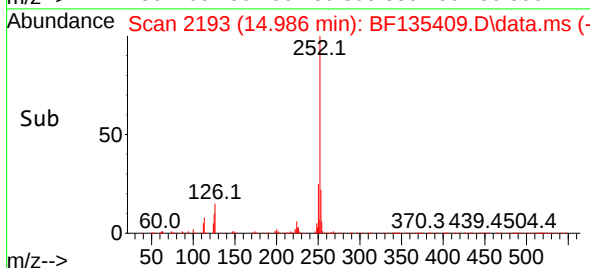
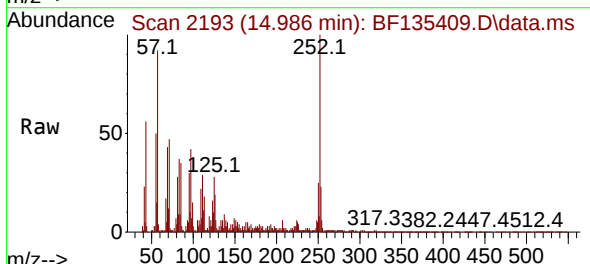
09/25/2023
Supervised By : mohammad
ahmed

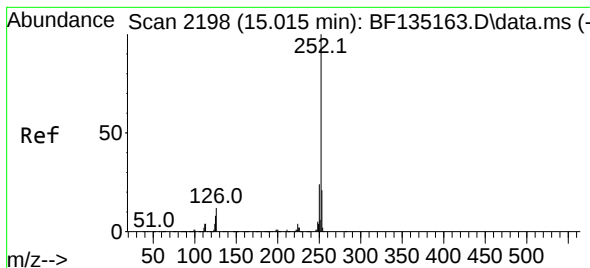
09/27/2023



#88
Benzo(b)fluoranthene
Concen: 10.668 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion: 252 Resp: 180504
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 28.4 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 4.131 ng m

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08

Tgt Ion:252	Resp:	6905
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.4 26.0
125	39.1	7.2 10.8

Manual Integrations

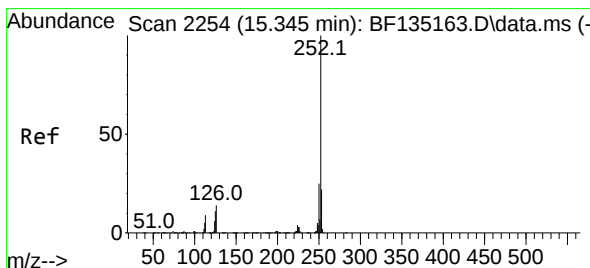
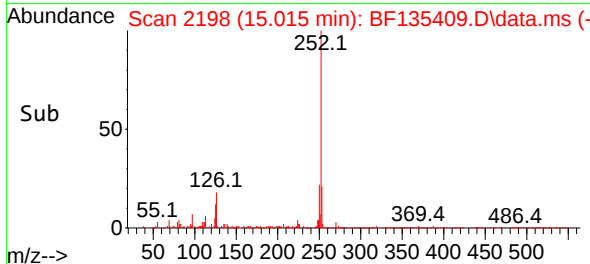
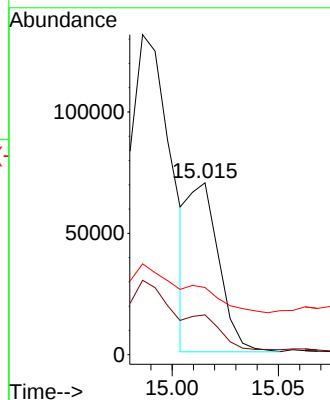
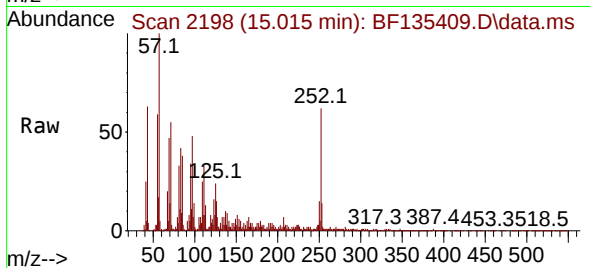
APPROVED

Reviewed By :Yogesh
Patel

09/25/2023

Supervised By :mohammad
ahmed

09/27/2023



#90

Benzo(a)pyrene

Concen: 8.263 ng

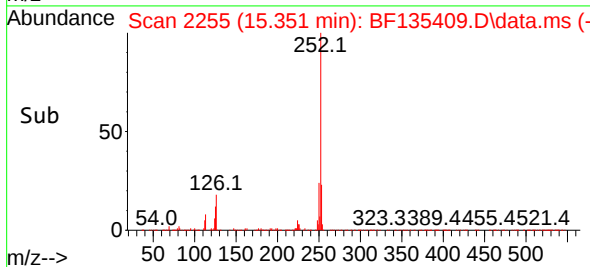
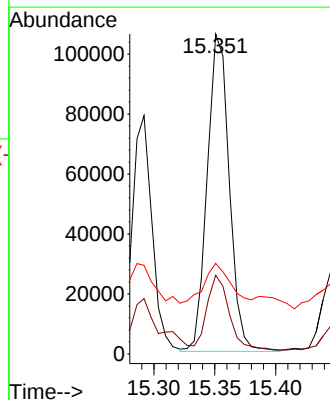
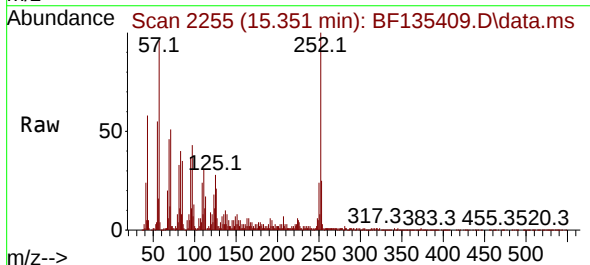
RT: 15.351 min Scan# 2255

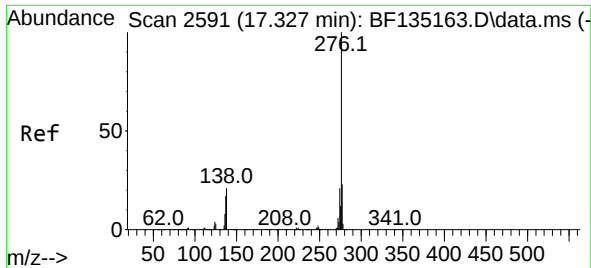
Delta R.T. 0.006 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

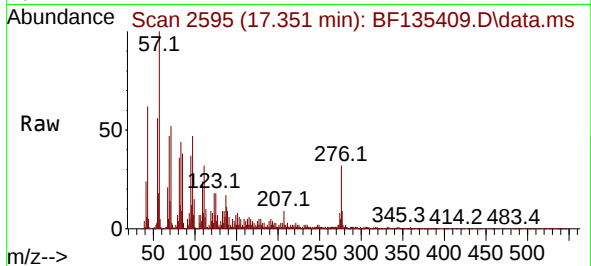
Tgt Ion:252	Resp:	133336
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.5 26.3
125	28.3	9.2 13.8





#92
Benzo(g,h,i)perylene
Concen: 3.531 ng
RT: 17.351 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
B102-08



Tgt Ion:	276	Resp:	6184
Ion Ratio	Lower	Upper	
276	100		
277	27.4	18.8	28.2
138	33.5	16.9	25.3

Manual Integrations
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Reviewed By :Yogesh
Patel

09/25/2023
Supervised By :mohammad
ahmed

09/27/2023

