

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
 Data File : BF135364.D
 Acq On : 20 Sep 2023 18:43
 Operator : CG\JU
 Sample : 04397-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-04

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023

Quant Time: Sep 21 01:52:47 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

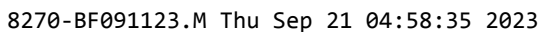
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	129628	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	475315	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	206218	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	319985	20.000	ng	0.00
76) Chrysene-d12	13.939	240	250380	20.000	ng	0.00
86) Perylene-d12	15.410	264	264513	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	660443	82.866	ng	0.00
7) Phenol-d6	6.398	99	812777	80.200	ng	0.00
23) Nitrobenzene-d5	7.322	82	485007	55.437	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	123637	60.331	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	710550	51.985	ng	-0.01
79) Terphenyl-d14	12.880	244	506945	31.387	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.310	178	205976	13.610	ng	98
72) Anthracene	11.363	178	41216	2.650	ng	97
75) Fluoranthene	12.504	202	294111	18.651	ng	99
78) Pyrene	12.733	202	271096	11.372	ng	99
81) Benzo(a)anthracene	13.933	228	142205	8.796	ng	98
83) Chrysene	13.968	228	136591	8.497	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	44341	2.557	ng	97
88) Benzo(b)fluoranthene	14.980	252	157509m	11.000	ng	
89) Benzo(k)fluoranthene	15.004	252	56702m	4.009	ng	
90) Benzo(a)pyrene	15.345	252	104616	7.661	ng	# 97
92) Benzo(g,h,i)perylene	17.333	276	41740	2.816	ng	# 93

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

Manual Integrations APPROVED

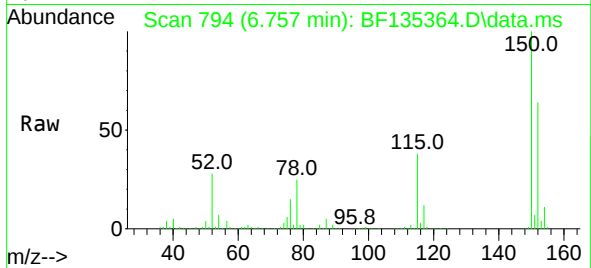
Quant Time: Sep 21 01:52:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

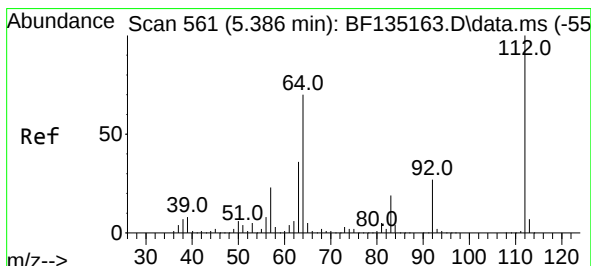
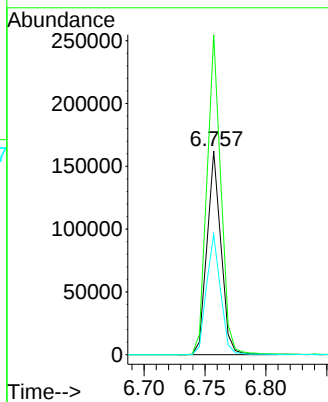
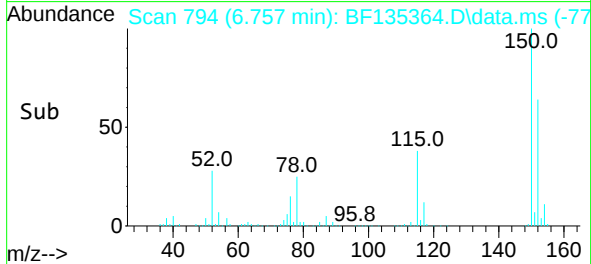
Instrument :
BNA_F
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B103-04



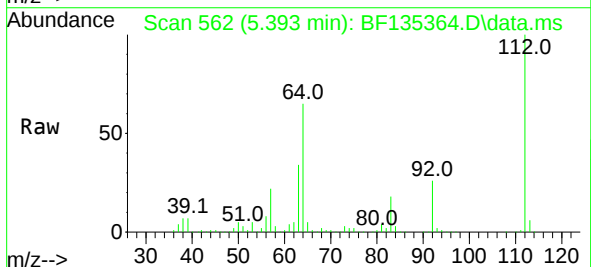
Tgt Ion:152 Resp: 129628
Ion Ratio Lower Upper
152 100
150 157.0 127.8 191.6
115 59.1 49.8 74.8

Manual Integrations
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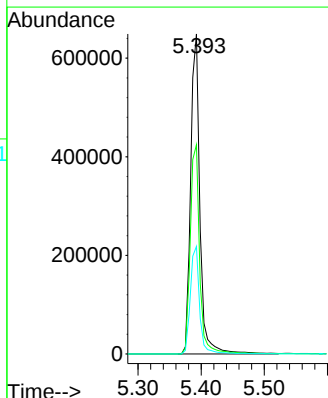
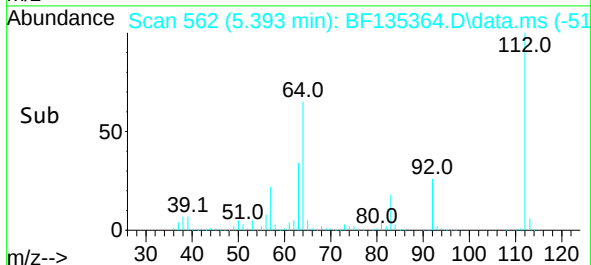
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

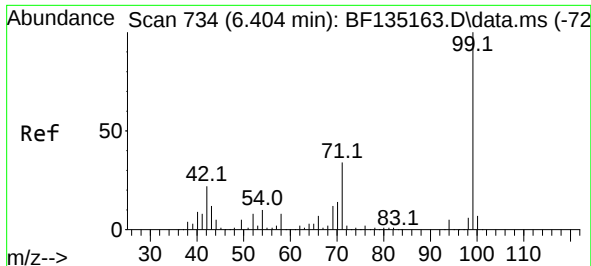


#5
2-Fluorophenol
Concen: 82.866 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43



Tgt Ion:112 Resp: 660443
Ion Ratio Lower Upper
112 100
64 65.3 55.9 83.9
63 33.6 29.0 43.6





#7

Phenol-d6

Concen: 80.200 ng

RT: 6.398 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

Instrument :

BNA_F

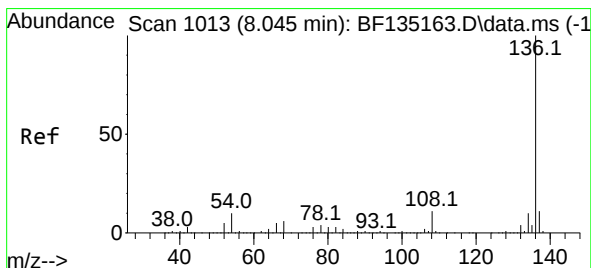
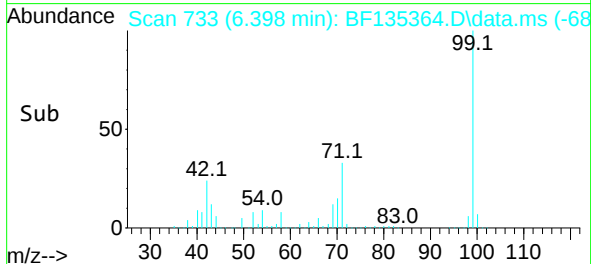
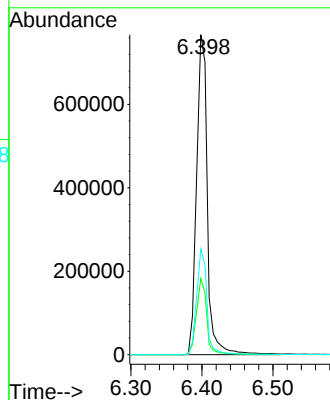
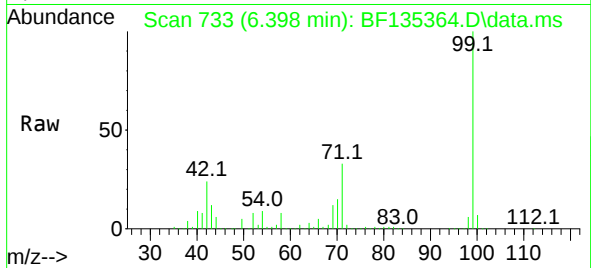
ClientSampleId :

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Tgt Ion: 99 Resp: 812777
 Ion Ratio Lower Upper
 99 100
 42 23.8 17.9 26.9
 71 33.0 27.0 40.6

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 Supervised By :mohammad ahmed 09/21/2023



#21

Naphthalene-d8

Concen: 20.000 ng

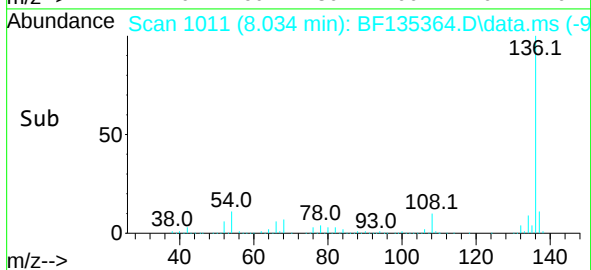
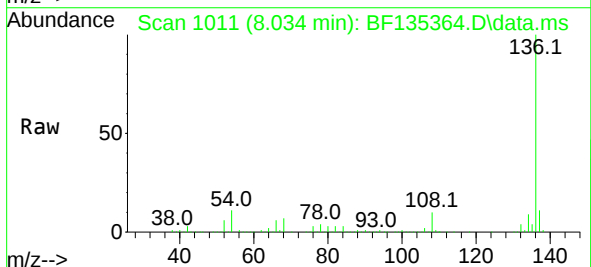
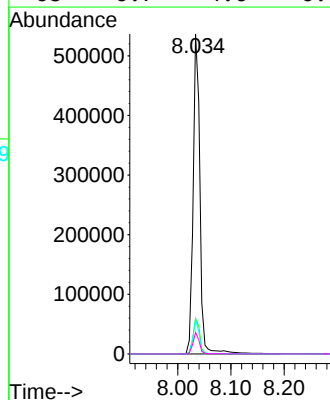
RT: 8.034 min Scan# 1011

Delta R.T. -0.012 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

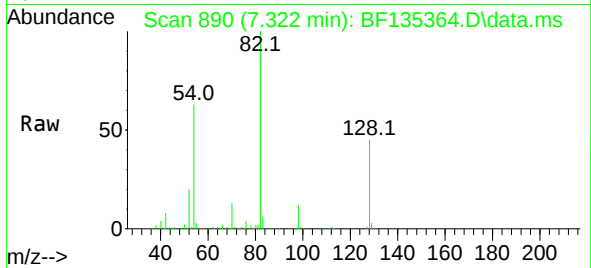
Tgt Ion:136 Resp: 475315
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.8 13.2
 54 10.9 7.7 11.5
 68 6.7 4.6 6.8





#23
Nitrobenzene-d5
Concen: 55.437 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

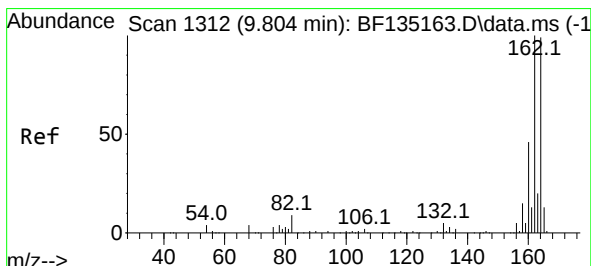
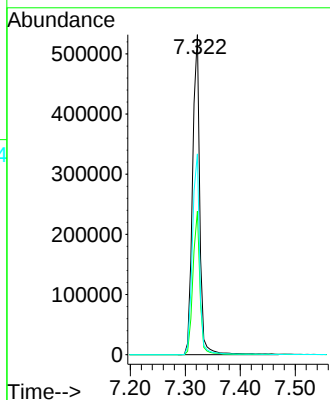
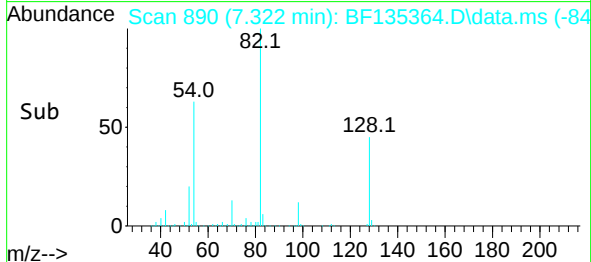
Instrument :
BNA_F
ClientSampleId :
B103-04



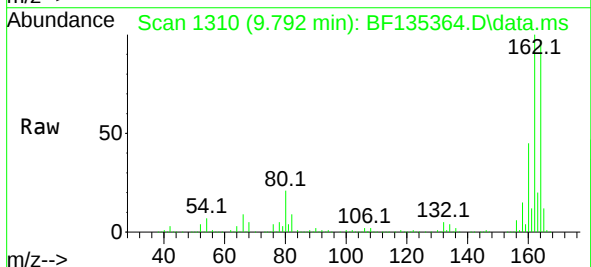
Tgt Ion: 82 Resp: 48500
Ion Ratio Lower Upper
82 100
128 44.9 35.8 53.6
54 62.8 50.6 76.0

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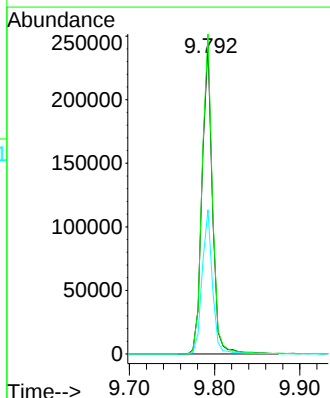
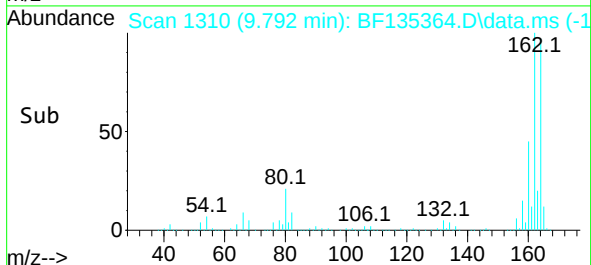
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

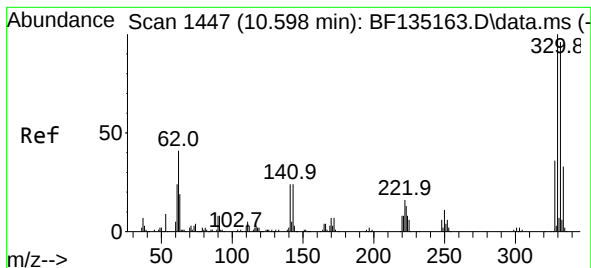


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43



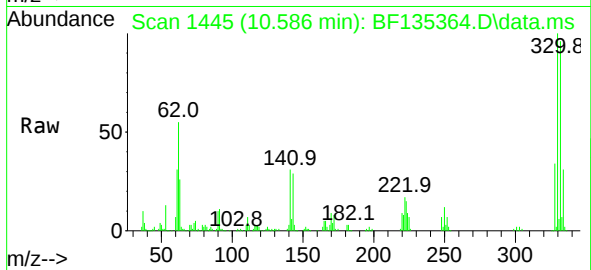
Tgt Ion:164 Resp: 206218
Ion Ratio Lower Upper
164 100
162 103.4 81.0 121.4
160 46.7 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 60.331 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

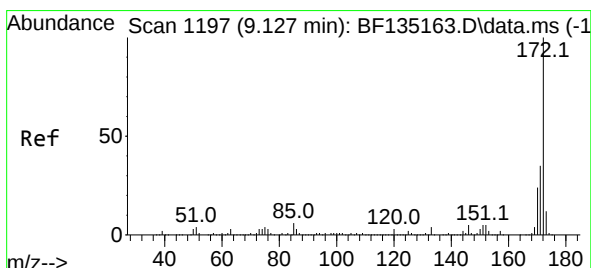
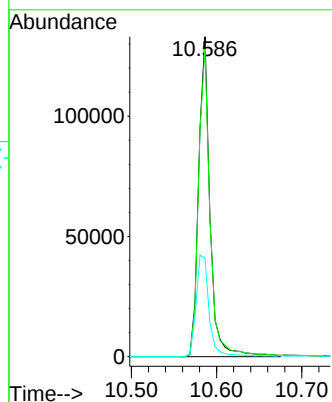
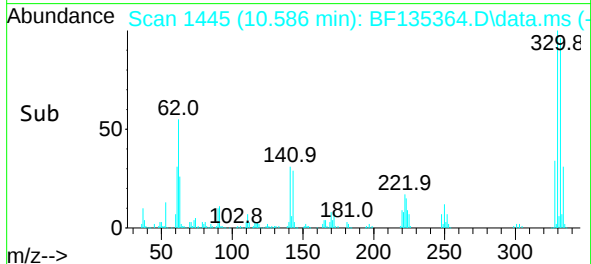
Instrument :
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ClientSampleId :
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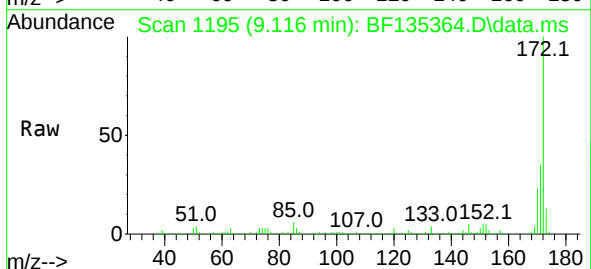
Tgt Ion: 330 Resp: 12363
Ion Ratio Lower Upper
330 100
332 98.9 77.3 115.9
141 36.4 25.8 38.8

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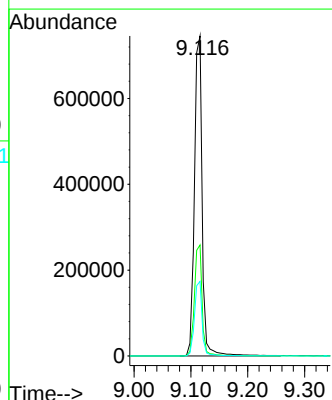
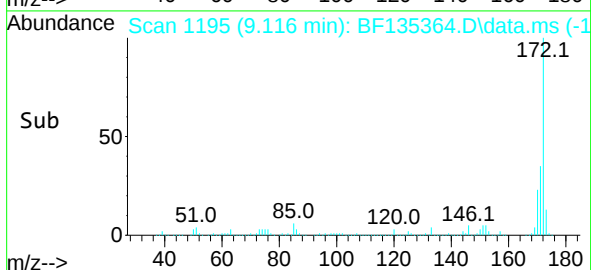
Reviewed By : Yogesh Patel 09/21/2023
Supervised By : mohammad ahmed 09/21/2023

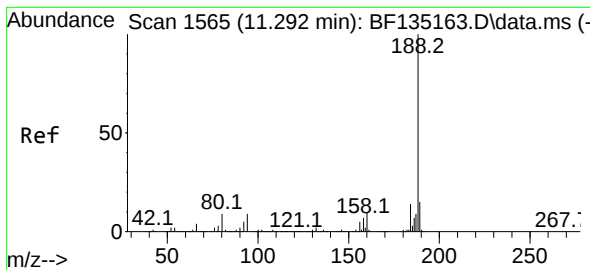


#45
2-Fluorobiphenyl
Concen: 51.985 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43



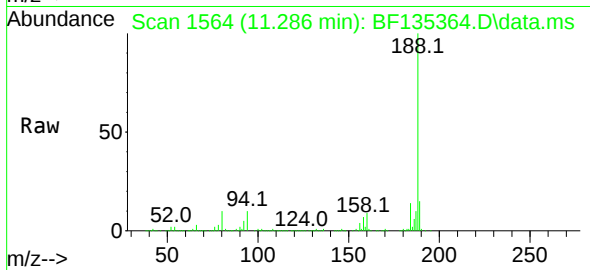
Tgt Ion: 172 Resp: 710550
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.3 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

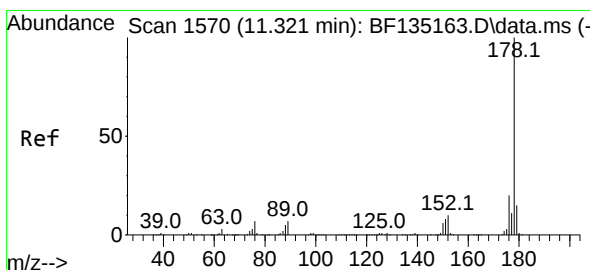
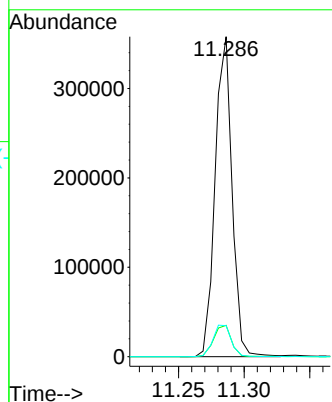
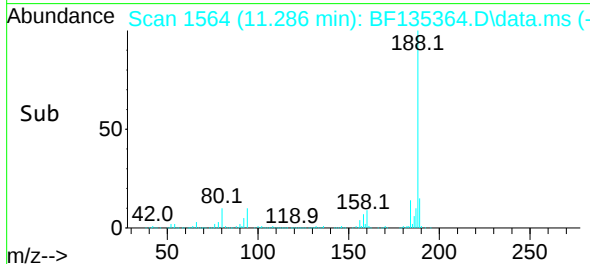
Instrument :
BNA_F
ClientSampleId :
B103-04



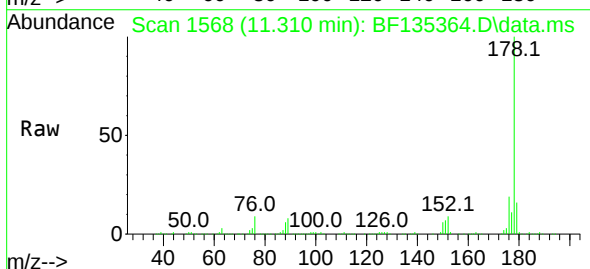
Tgt Ion:188 Resp: 31998
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 9.7 7.5 11.3

Manual Integrations
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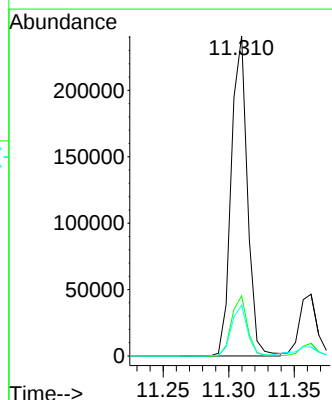
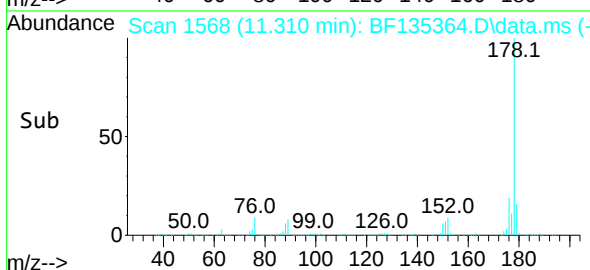
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

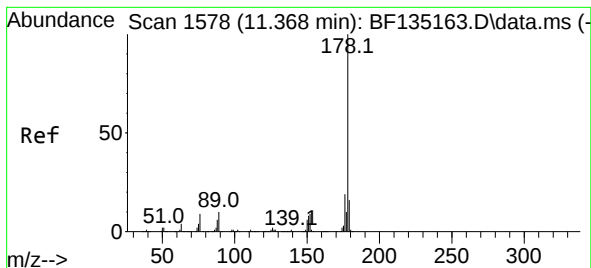


#71
Phenanthrene
Concen: 13.610 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43



Tgt Ion:178 Resp: 205976
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.9 12.0 18.0





#72

Anthracene

Concen: 2.650 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

Instrument :

BNA_F

ClientSampleId :

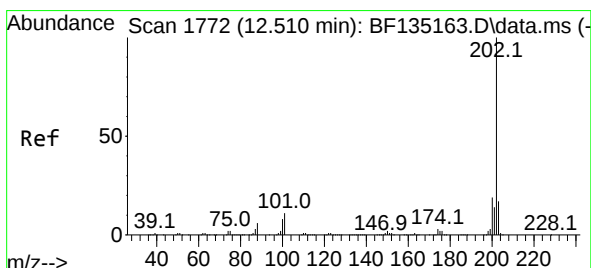
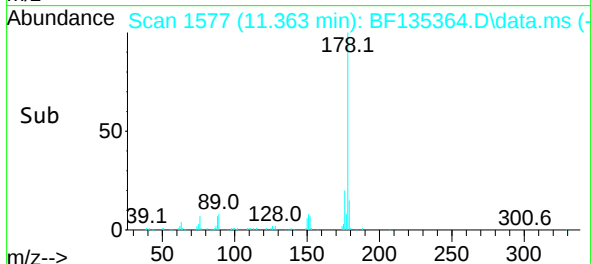
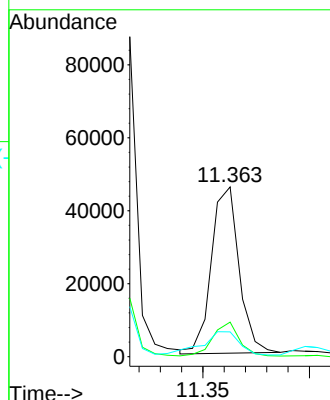
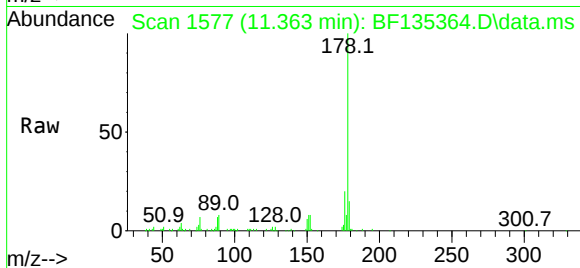
B103-04

Tgt Ion:178 Resp: 41210
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.4 23.2
 179 14.6 12.6 19.0

Manual Integrations

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 Supervised By :mohammad ahmed 09/21/2023



#75

Fluoranthene

Concen: 18.651 ng

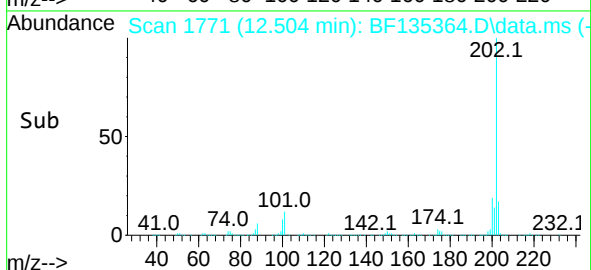
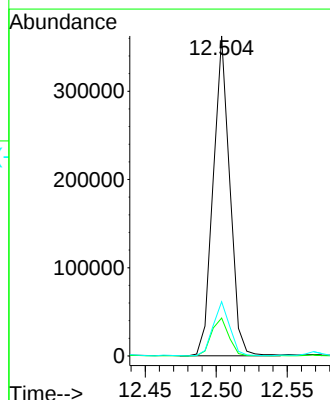
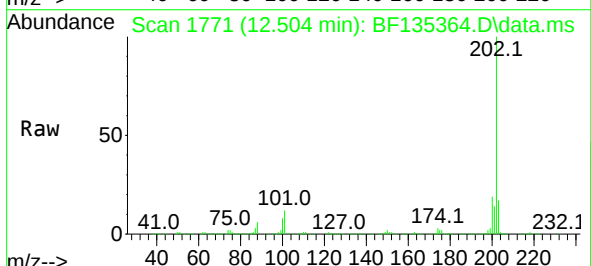
RT: 12.504 min Scan# 1771

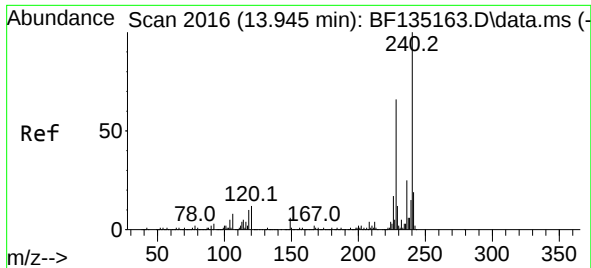
Delta R.T. -0.006 min

Lab File: BF135364.D

Acq: 20 Sep 2023 18:43

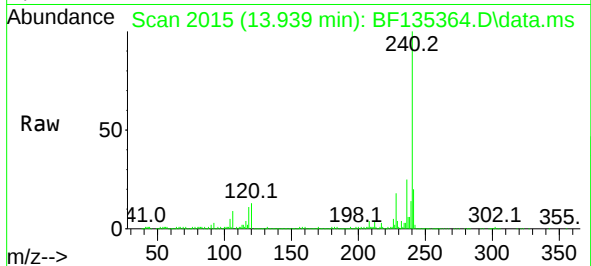
Tgt Ion:202 Resp: 294111
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 31.3
 203 16.9 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

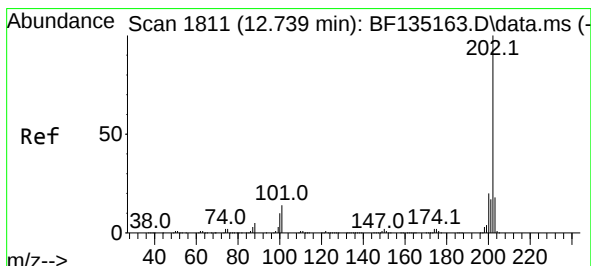
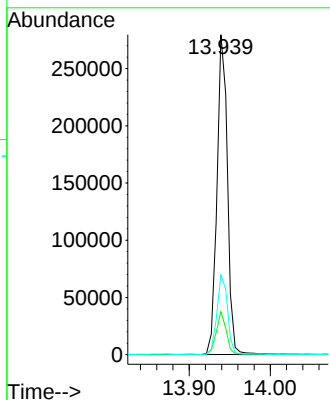
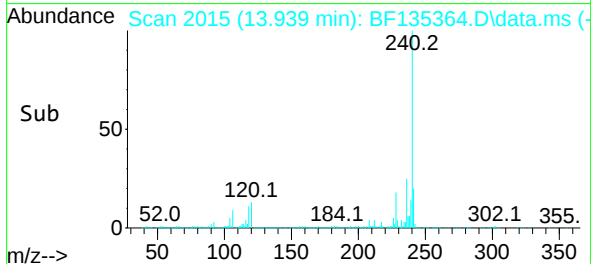
Instrument :
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B103-04



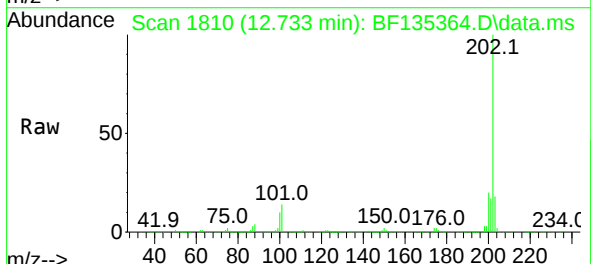
Tgt Ion:240 Resp: 250380
Ion Ratio Lower Upper
240 100
120 13.4 9.4 14.2
236 25.0 19.8 29.8

Manual Integrations
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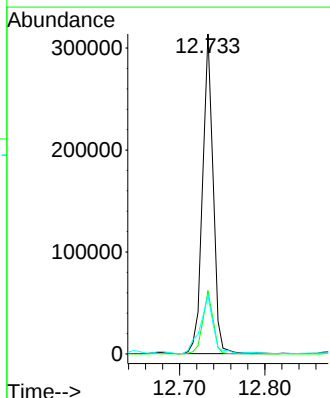
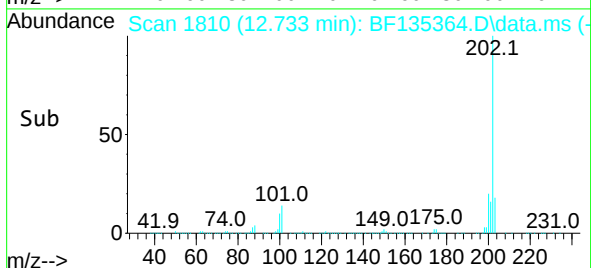
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

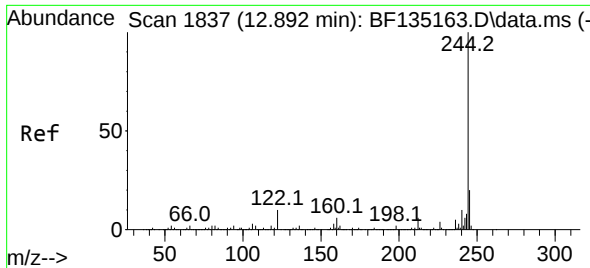


#78
Pyrene
Concen: 11.372 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43



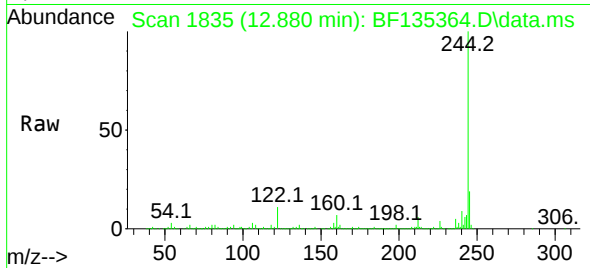
Tgt Ion:202 Resp: 271096
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.2
203 18.2 14.2 21.4





#79
 Terphenyl-d14
 Concen: 31.387 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135364.D
 Acq: 20 Sep 2023 18:43

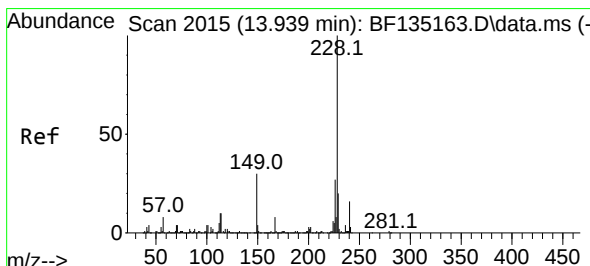
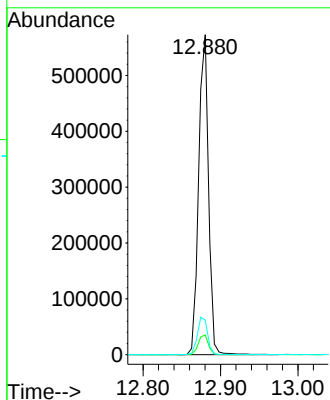
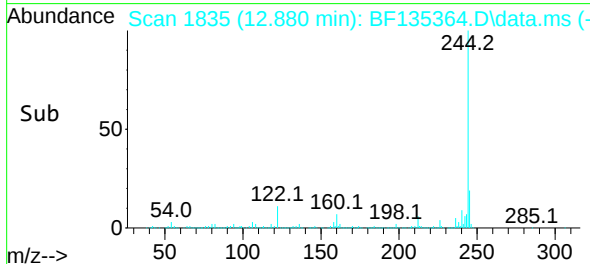
Instrument :
 BNA_F
 ClientSampleId :
 B103-04



Tgt Ion:244 Resp: 506945
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 10.8 7.9 11.9

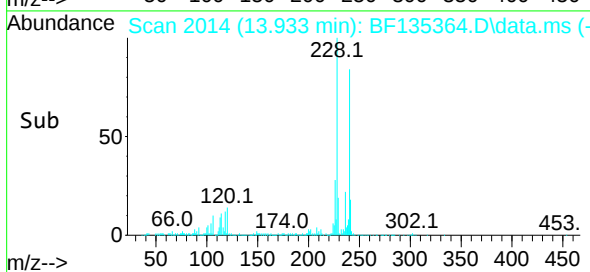
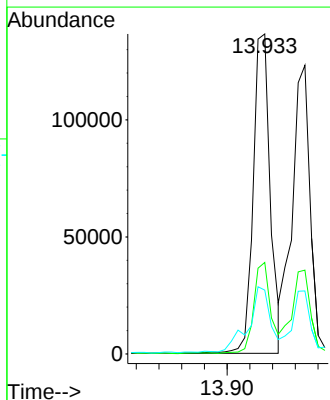
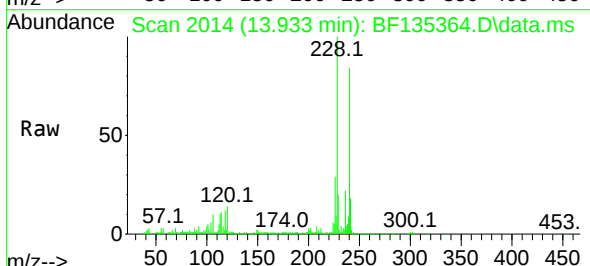
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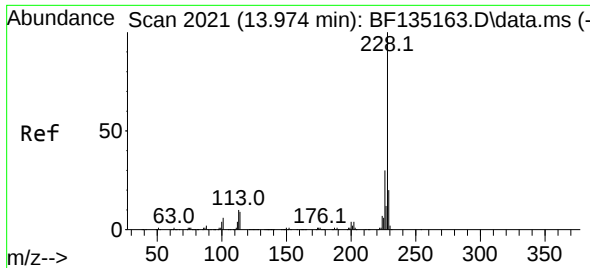
Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023



#81
 Benzo(a)anthracene
 Concen: 8.796 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135364.D
 Acq: 20 Sep 2023 18:43

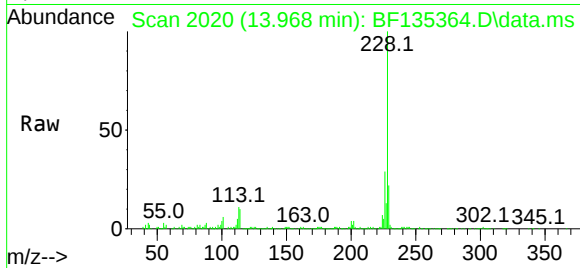
Tgt Ion:228 Resp: 142205
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.7 32.5
 229 20.0 15.8 23.8





#83
Chrysene
Concen: 8.497 ng
RT: 13.968 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

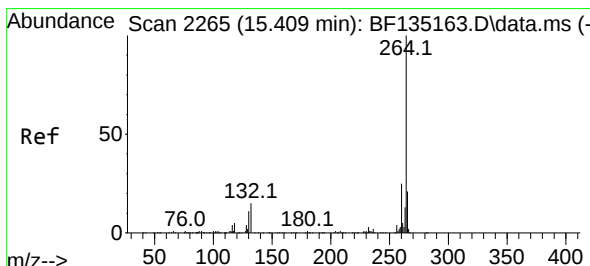
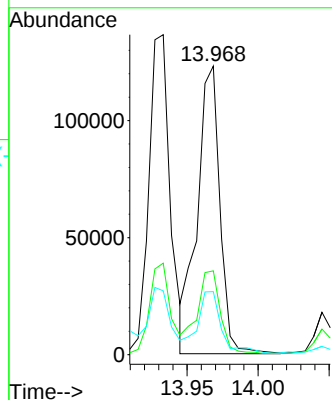
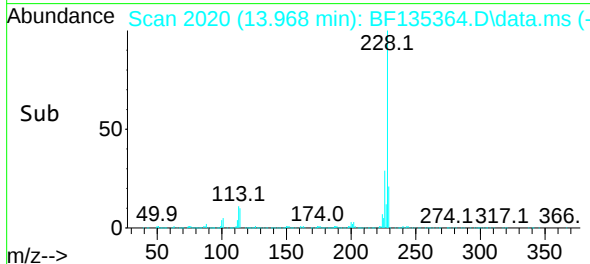
Instrument :
BNA_F
ClientSampleId :
B103-04



Tgt Ion:228 Resp: 13659
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 21.8 16.0 24.0

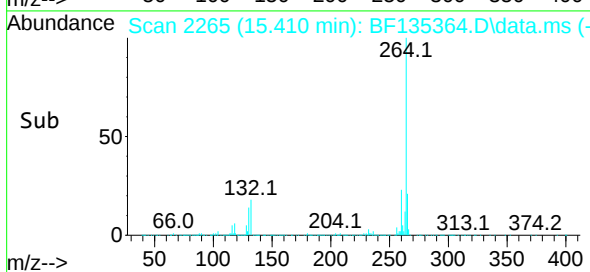
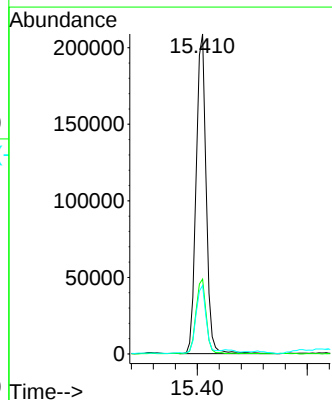
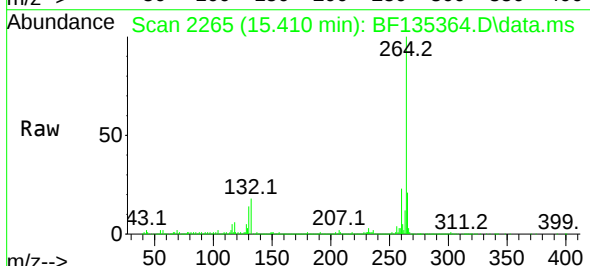
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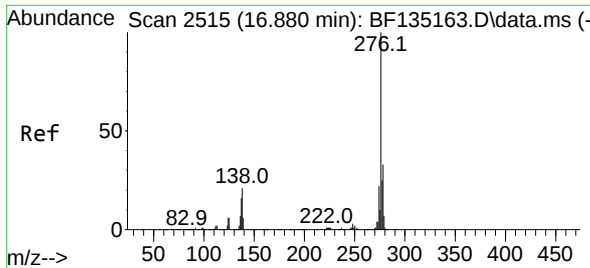
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

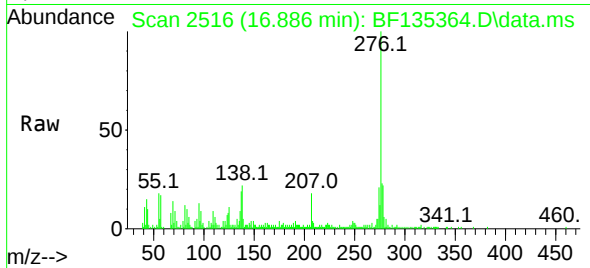
Tgt Ion:264 Resp: 264513
Ion Ratio Lower Upper
264 100
260 23.4 19.8 29.6
265 21.4 17.0 25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.557 ng
 RT: 16.886 min Scan# 2115
 Delta R.T. 0.006 min
 Lab File: BF135364.D
 Acq: 20 Sep 2023 18:43

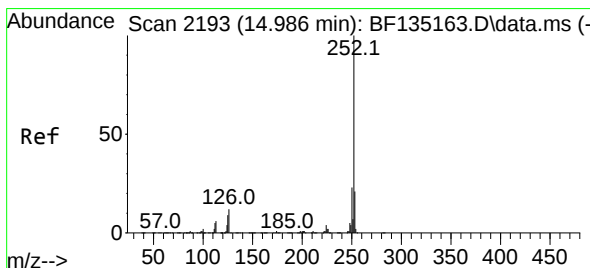
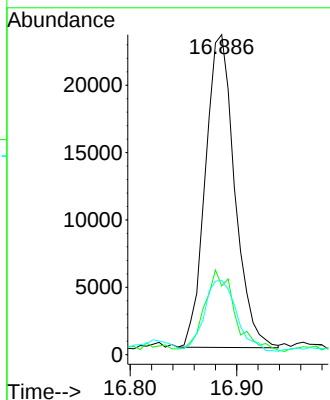
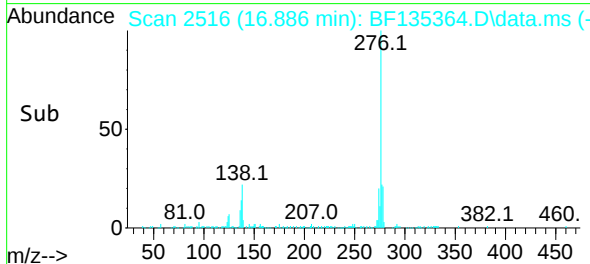
Instrument :
 BNA_F
 ClientSampleId :
 B103-04



Tgt Ion:276 Resp: 4434
 Ion Ratio Lower Upper
 276 100
 138 27.0 19.2 28.8
 277 25.0 19.7 29.5

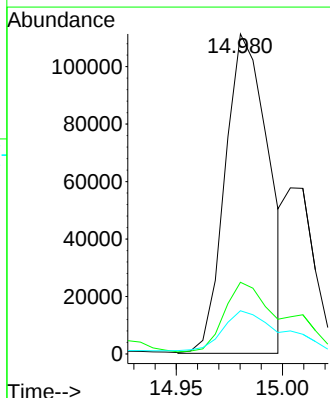
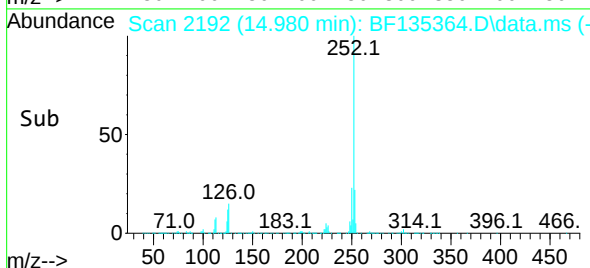
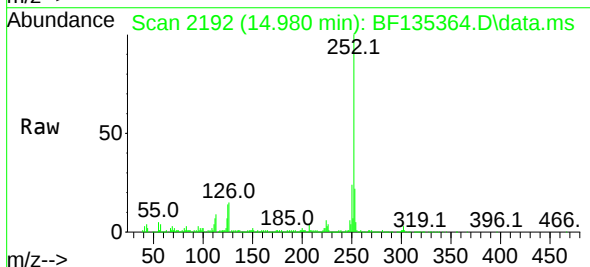
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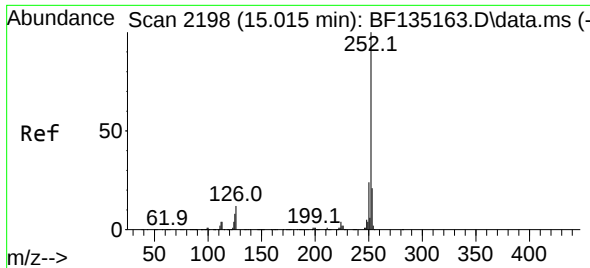
Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023



#88
 Benzo(b)fluoranthene
 Concen: 11.000 ng m
 RT: 14.980 min Scan# 2192
 Delta R.T. -0.006 min
 Lab File: BF135364.D
 Acq: 20 Sep 2023 18:43

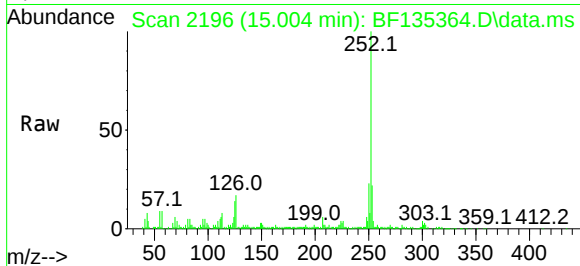
Tgt Ion:252 Resp: 157509
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.2 25.8
 125 13.5 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 4.009 ng m
RT: 15.004 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

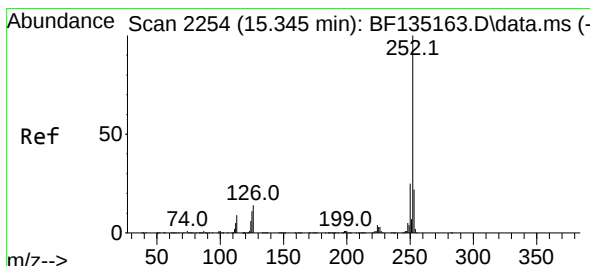
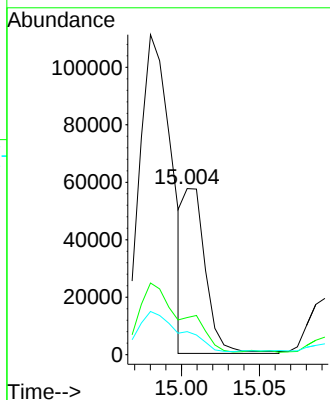
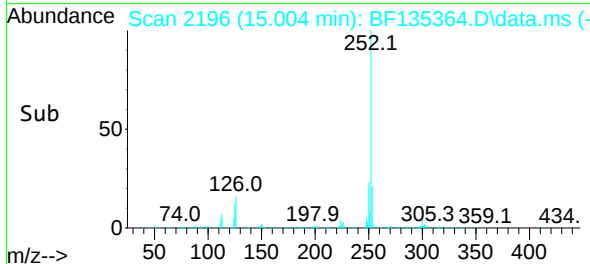
Instrument :
BNA_F
ClientSampleId :
B103-04



Tgt Ion:252 Resp: 5670
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 13.9 7.2 10.8

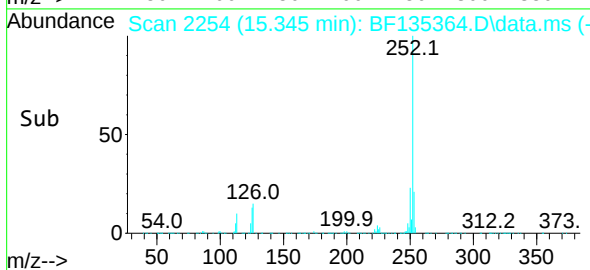
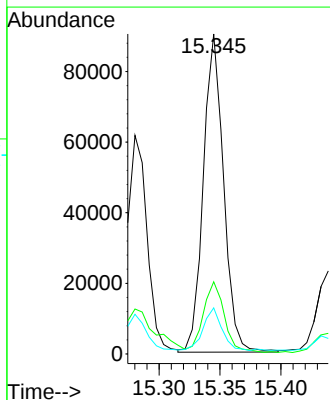
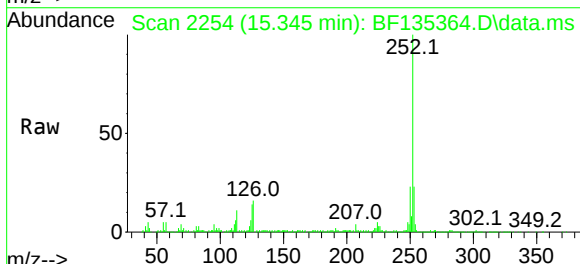
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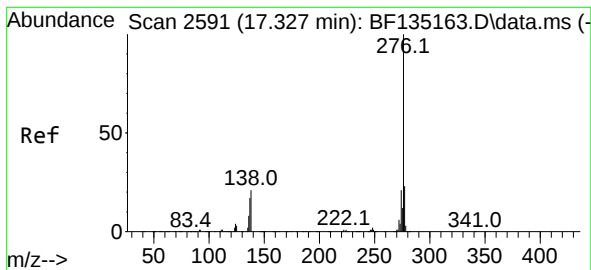
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#90
Benzo(a)pyrene
Concen: 7.661 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135364.D
Acq: 20 Sep 2023 18:43

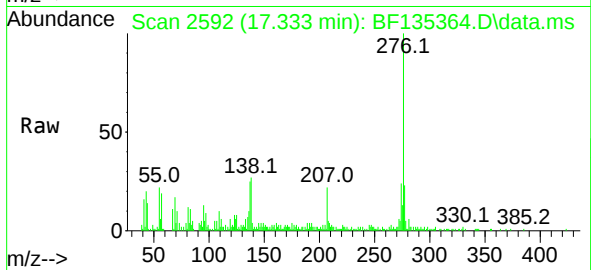
Tgt Ion:252 Resp: 104616
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 14.4 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.816 ng
 RT: 17.333 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135364.D
 Acq: 20 Sep 2023 18:43

Instrument :
 BNA_F
 ClientSampleId :
 B103-04



Tgt Ion:	276	Resp:	41740
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.8	28.2
138	27.1	16.9	25.3

Manual Integrations
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Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023

