

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135383.D
 Acq On : 21 Sep 2023 16:38
 Operator : CG\JU
 Sample : 04394-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-07

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023

Quant Time: Sep 22 05:57:38 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	149450	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	538376	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	227867	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	353890	20.000	ng	0.00
76) Chrysene-d12	13.945	240	274203	20.000	ng	0.00
86) Perylene-d12	15.409	264	228692	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	720949	78.460	ng	0.00
7) Phenol-d6	6.404	99	881056	75.407	ng	0.00
23) Nitrobenzene-d5	7.322	82	513168	51.786	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	129723	57.287	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	760317	50.341	ng	-0.02
79) Terphenyl-d14	12.880	244	551339	31.170	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	120023	7.171	ng	98
72) Anthracene	11.357	178	69353	4.031	ng	97
75) Fluoranthene	12.504	202	303255	17.388	ng	98
78) Pyrene	12.733	202	362206	13.874	ng	99
81) Benzo(a)anthracene	13.933	228	201158	11.361	ng	96
83) Chrysene	13.968	228	182724m	10.380	ng	
87) Indeno(1,2,3-cd)pyrene	16.886	276	78267	5.220	ng	98
88) Benzo(b)fluoranthene	14.986	252	185445m	14.979	ng	
89) Benzo(k)fluoranthene	15.009	252	69206m	5.659	ng	
90) Benzo(a)pyrene	15.345	252	149441	12.658	ng	97
92) Benzo(g,h,i)perylene	17.333	276	73643	5.747	ng	# 92

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

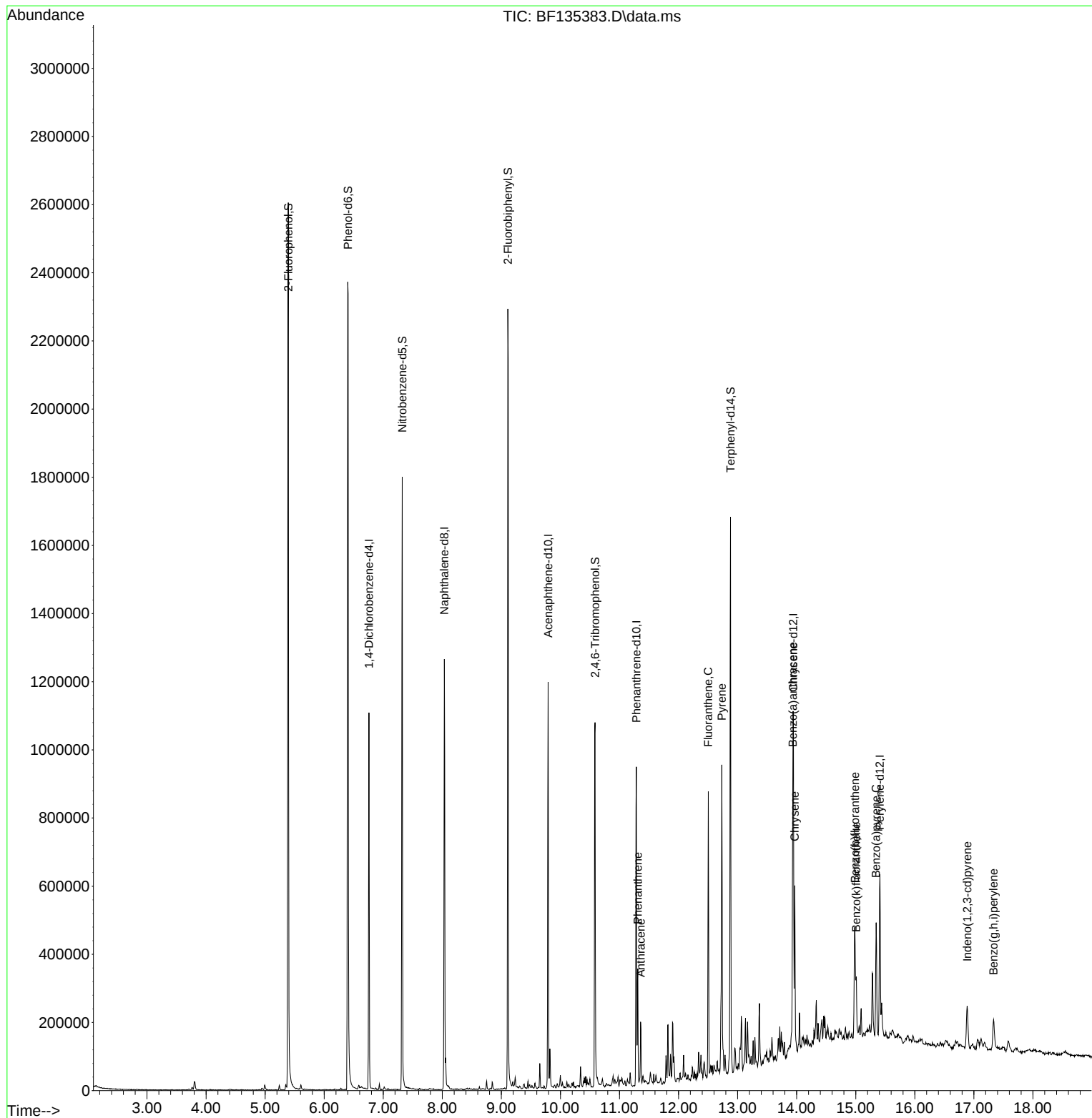
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135383.D
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ALS Vial : 15 Sample Multiplier: 1

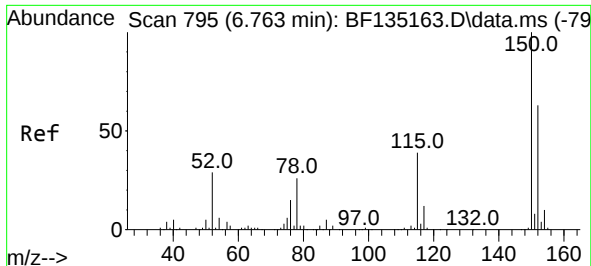
Instrument :
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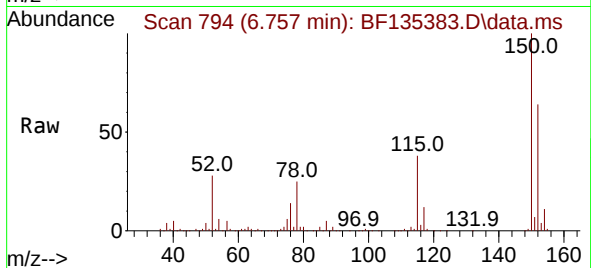
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

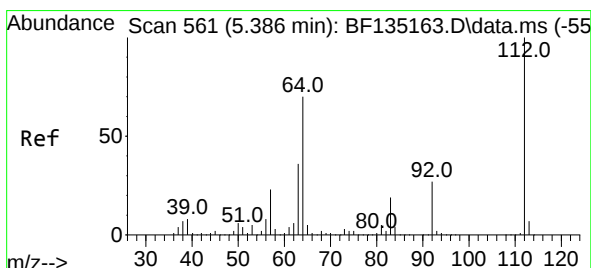
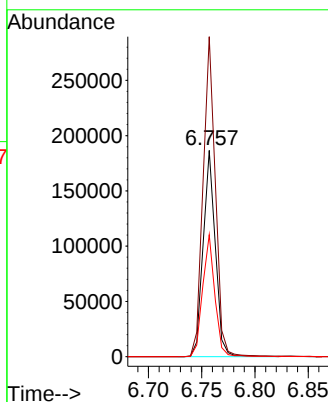
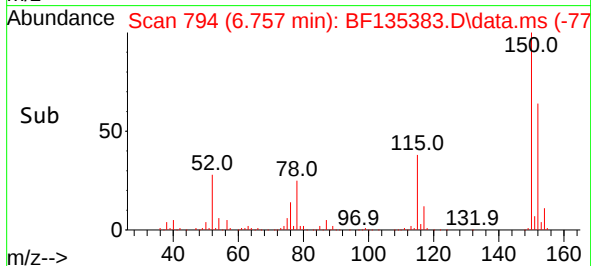
Instrument :
BNA_F
ClientSampleId :
B103-07



Tgt Ion:152 Resp: 149450
Ion Ratio Lower Upper
152 100
150 155.1 127.8 191.6
115 59.1 49.8 74.8

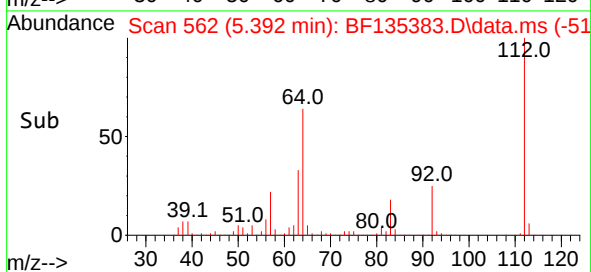
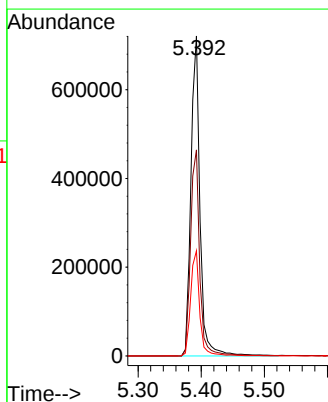
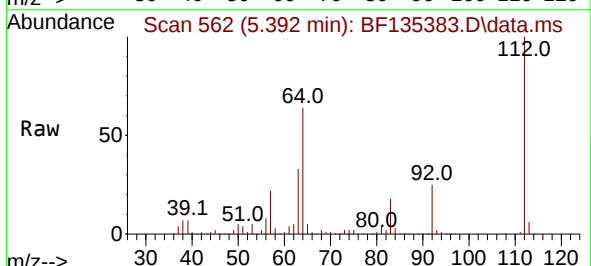
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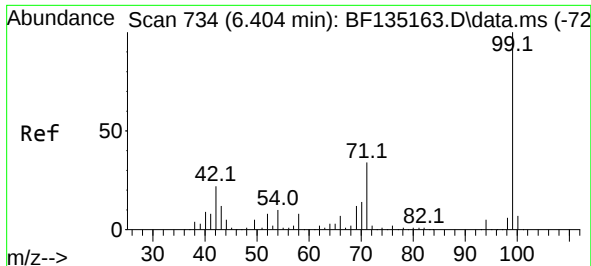
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#5
2-Fluorophenol
Concen: 78.460 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion:112 Resp: 720949
Ion Ratio Lower Upper
112 100
64 64.4 55.9 83.9
63 32.8 29.0 43.6





#7

Phenol-d6

Concen: 75.407 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135383.D

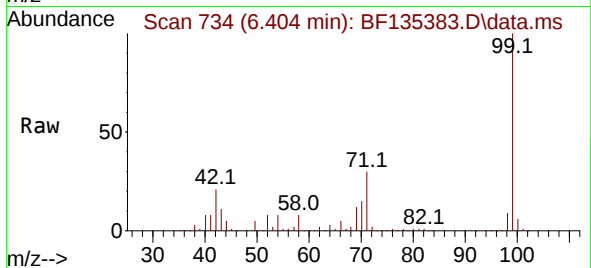
Acq: 21 Sep 2023 16:38

Instrument :

BNA_F

ClientSampleId :

B103-07



Tgt Ion: 99 Resp: 881056

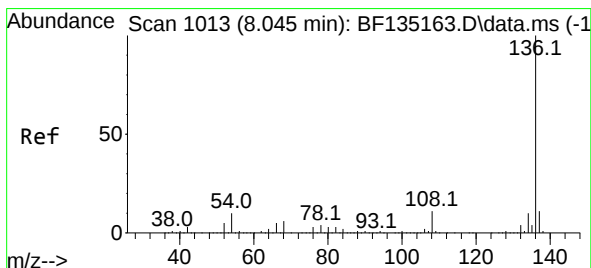
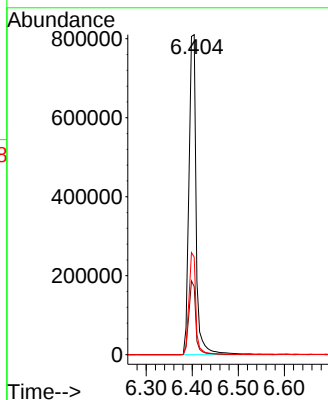
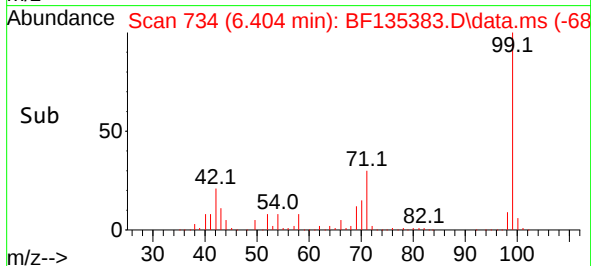
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.9	26.9
71	30.5	27.0	40.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.033 min Scan# 1011

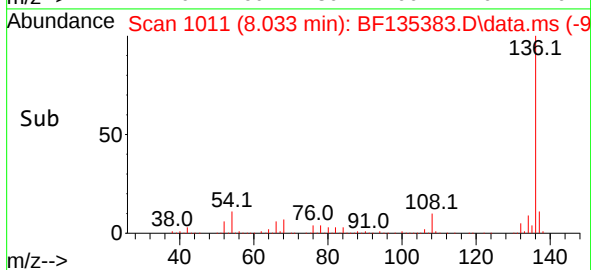
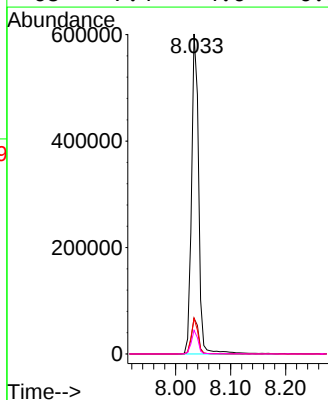
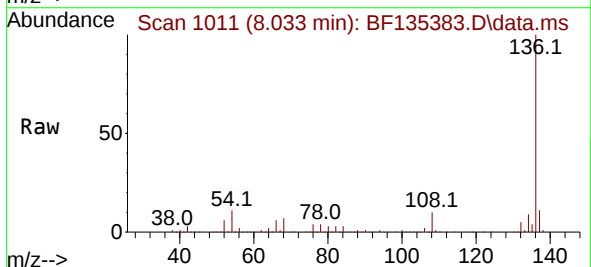
Delta R.T. -0.012 min

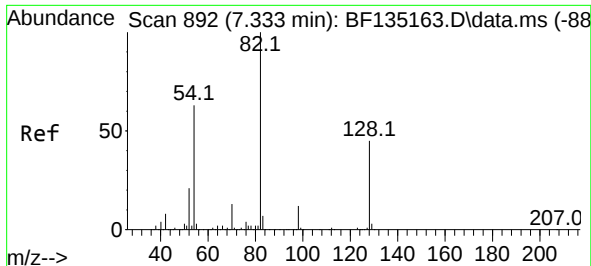
Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

Tgt Ion:136 Resp: 538376

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	11.1	7.7	11.5
68	7.4	4.6	6.8





#23

Nitrobenzene-d5

Concen: 51.786 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

Instrument :

BNA_F

ClientSampleId :

B103-07

Tgt Ion: 82 Resp: 51316

Ion Ratio Lower Upper

82 100

128 45.5 35.8 53.6

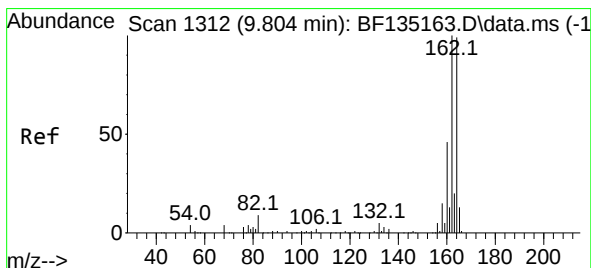
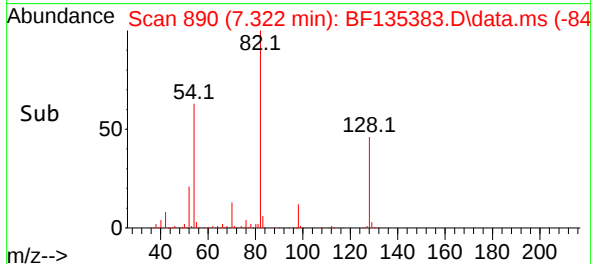
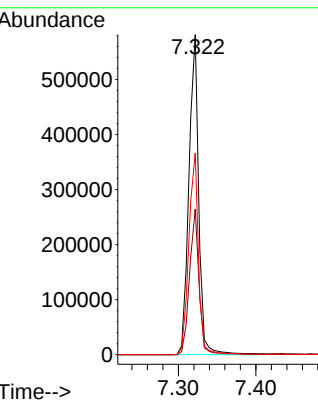
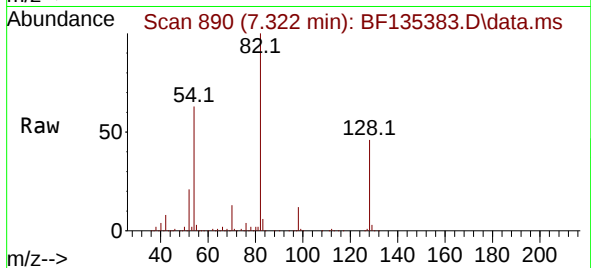
54 63.0 50.6 76.0

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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: BF135383.D

Acq: 21 Sep 2023 16:38

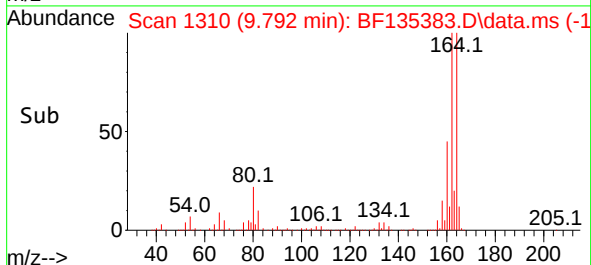
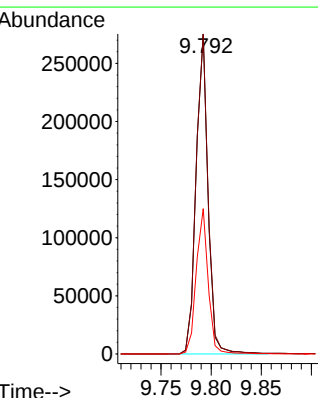
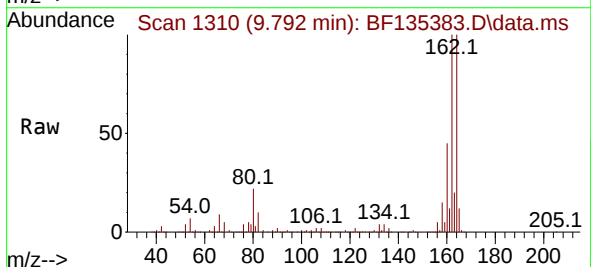
Tgt Ion:164 Resp: 227867

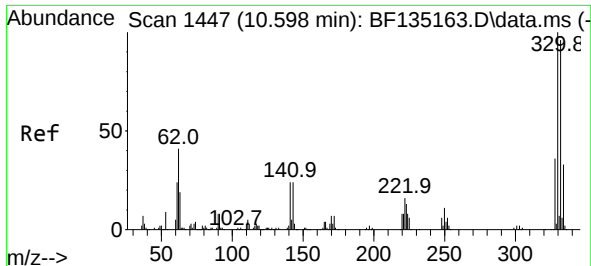
Ion Ratio Lower Upper

164 100

162 99.9 81.0 121.4

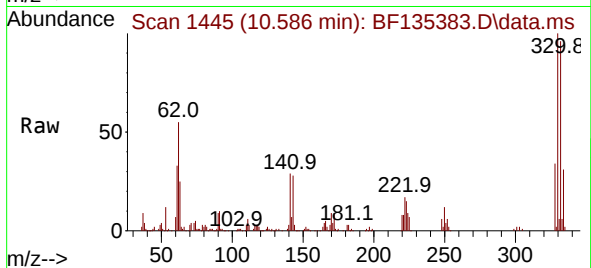
160 45.4 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 57.287 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

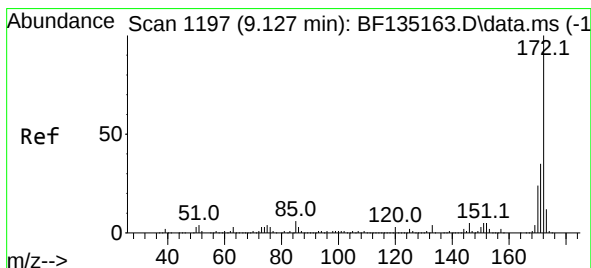
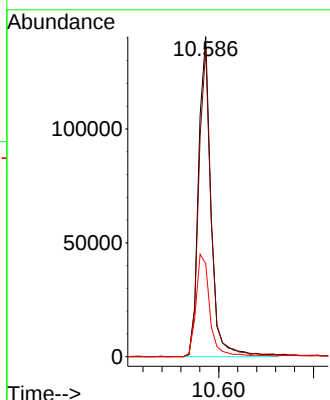
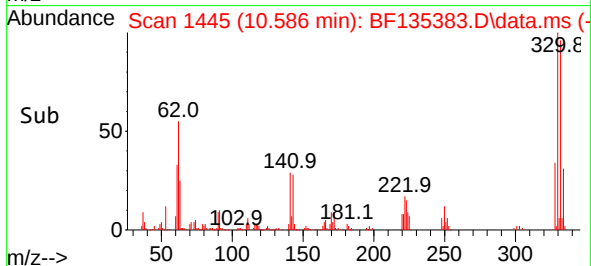
Instrument :
BNA_F
ClientSampleId :
B103-07



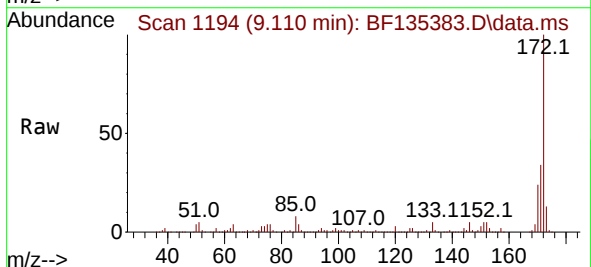
Tgt Ion:330 Resp: 12972
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 35.6 25.8 38.8

Manual Integrations
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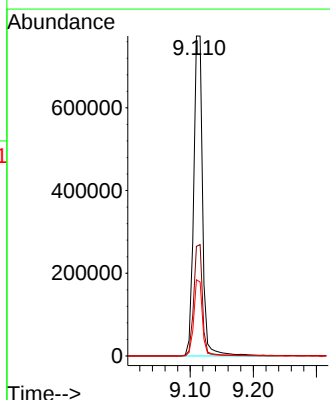
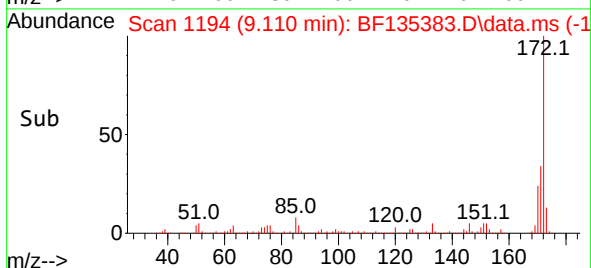
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

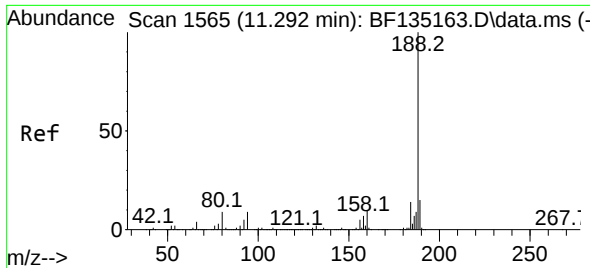


#45
2-Fluorobiphenyl
Concen: 50.341 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.018 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38



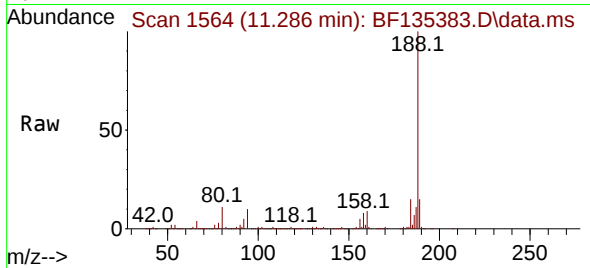
Tgt Ion:172 Resp: 760317
Ion Ratio Lower Upper
172 100
171 34.2 28.4 42.6
170 23.8 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

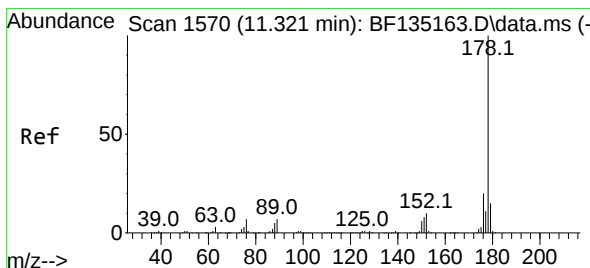
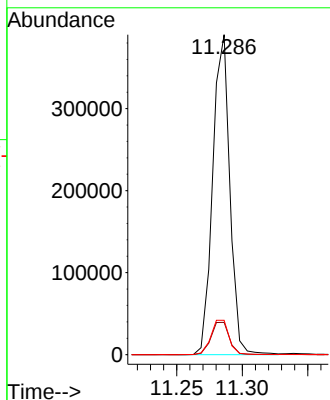
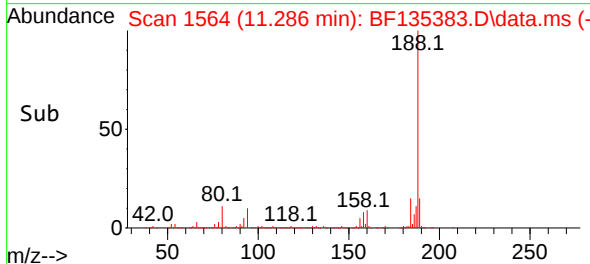
Instrument :
BNA_F
ClientSampleId :
B103-07



Tgt Ion:188 Resp: 353890
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.7 7.5 11.3

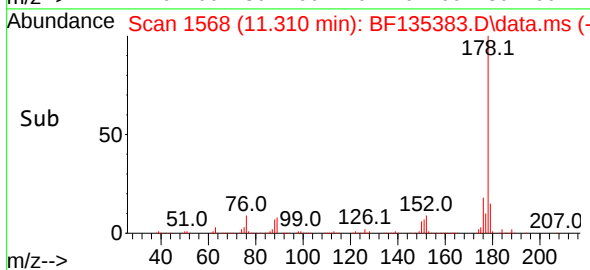
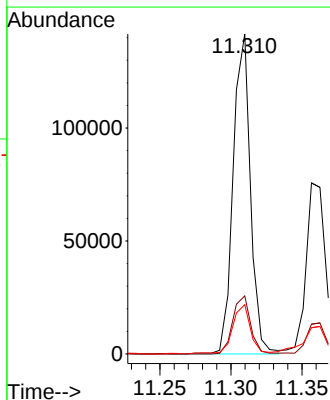
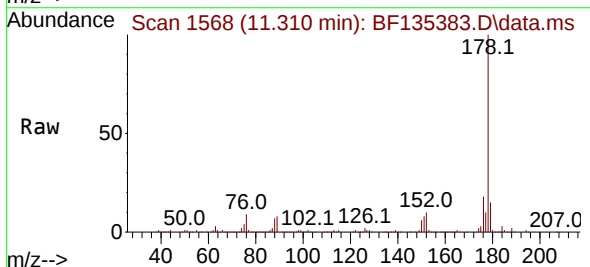
Manual Integrations
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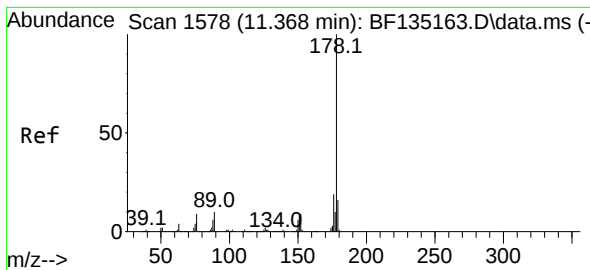
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#71
Phenanthrene
Concen: 7.171 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion:178 Resp: 120023
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.4 12.0 18.0





#72

Anthracene

Concen: 4.031 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

Instrument :

BNA_F

ClientSampleId :

B103-07

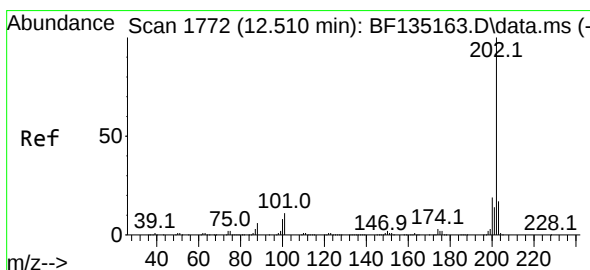
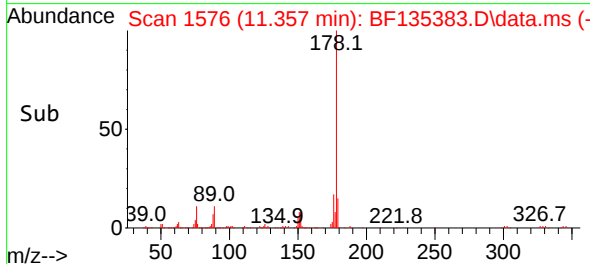
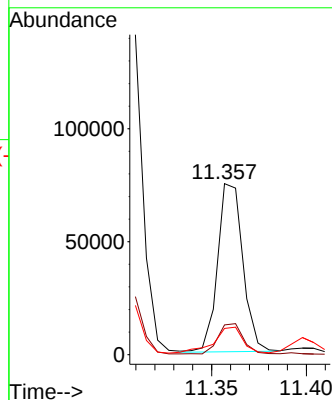
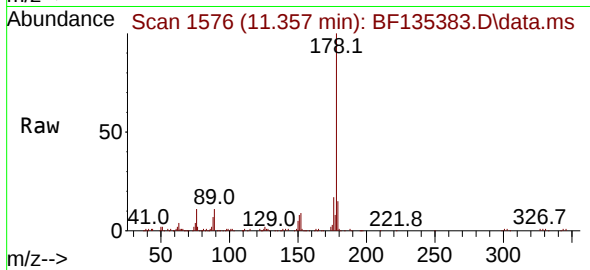
Tgt Ion:178	Resp: 6935
Ion Ratio	Lower Upper
178 100	
176 17.4	15.4 23.2
179 15.4	12.6 19.0

Manual Integrations

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#75

Fluoranthene

Concen: 17.388 ng

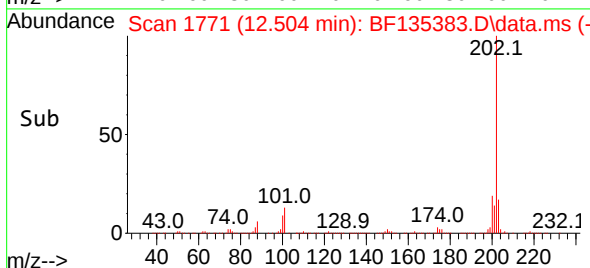
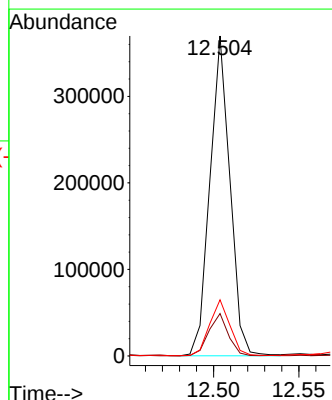
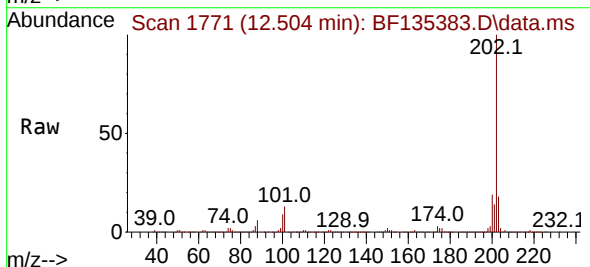
RT: 12.504 min Scan# 1771

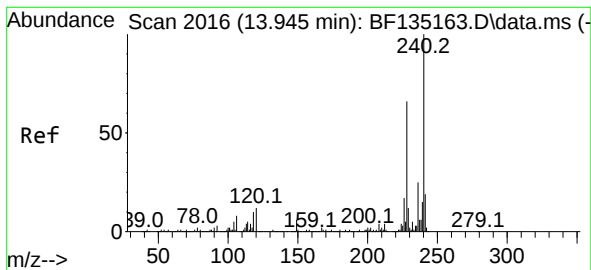
Delta R.T. -0.006 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

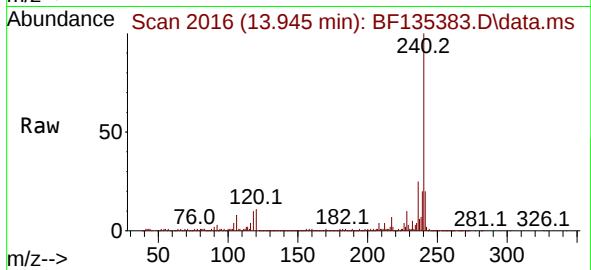
Tgt Ion:202	Resp: 303255
Ion Ratio	Lower Upper
202 100	
101 13.3	0.0 31.3
203 17.5	0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

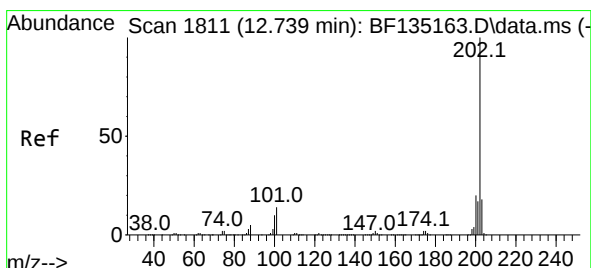
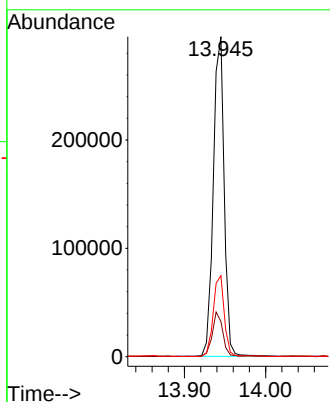
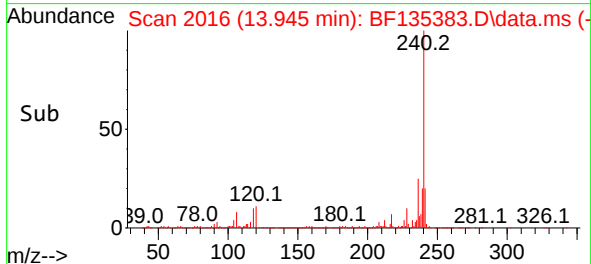
Instrument :
BNA_F
ClientSampleId :
B103-07



Tgt Ion:240 Resp: 27420
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 25.3 19.8 29.8

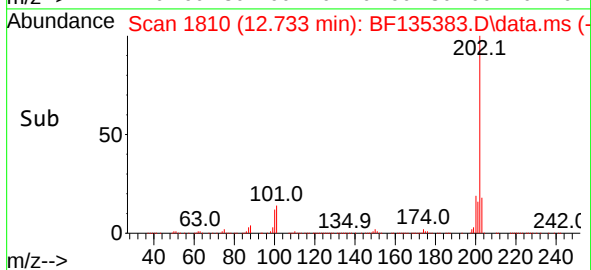
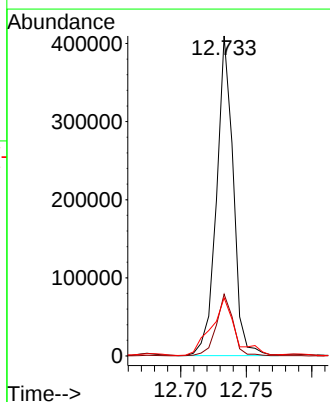
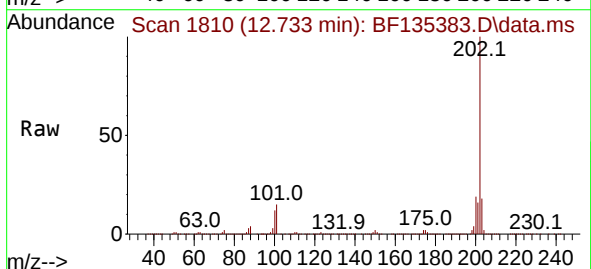
Manual Integrations
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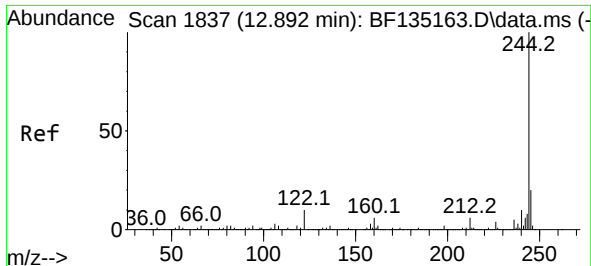
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#78
Pyrene
Concen: 13.874 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

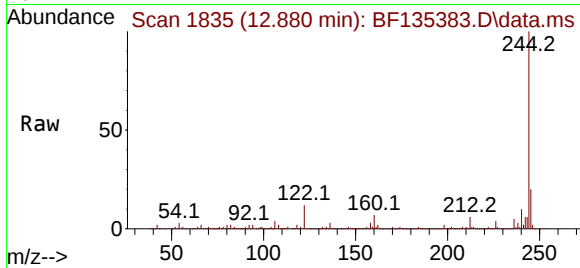
Tgt Ion:202 Resp: 362206
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 18.2 14.2 21.4





#79
 Terphenyl-d14
 Concen: 31.170 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135383.D
 Acq: 21 Sep 2023 16:38

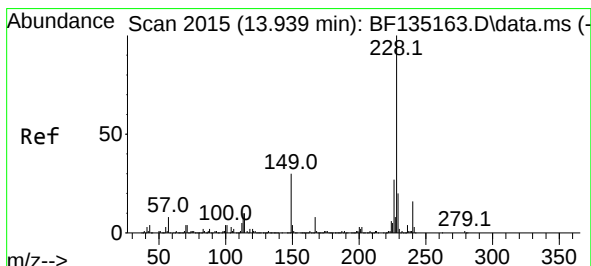
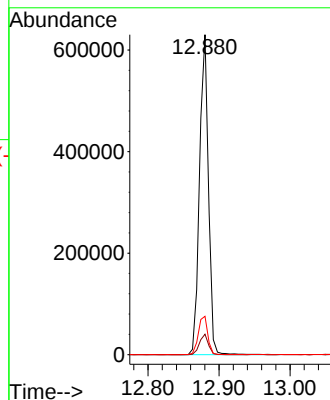
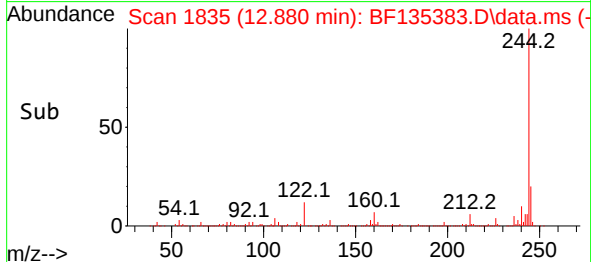
Instrument :
 BNA_F
 ClientSampleId :
 B103-07



Tgt Ion:244 Resp: 551339
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 12.0 7.9 11.9

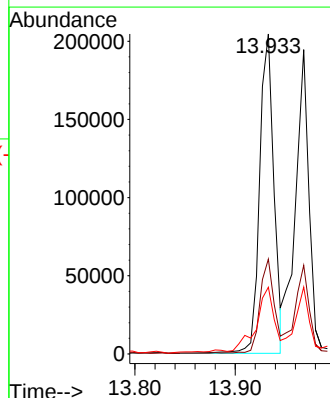
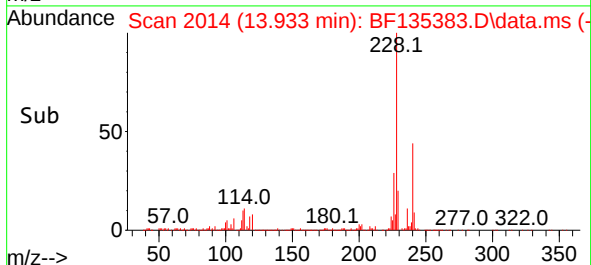
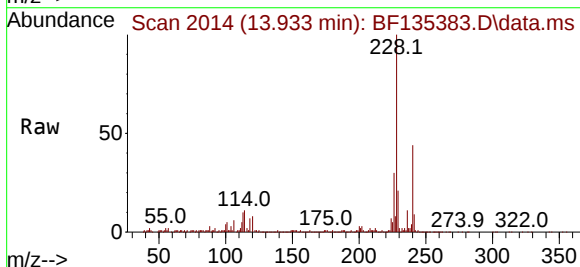
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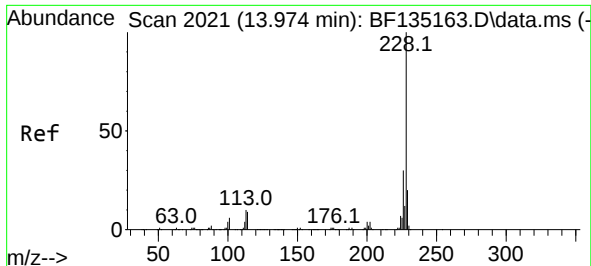
Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023



#81
 Benzo(a)anthracene
 Concen: 11.361 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135383.D
 Acq: 21 Sep 2023 16:38

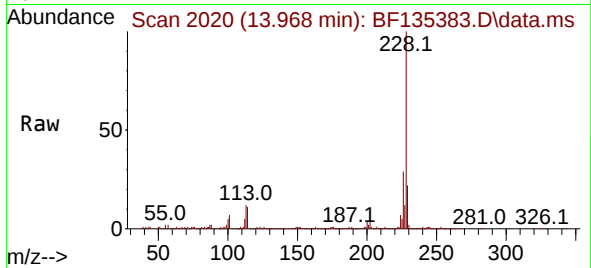
Tgt Ion:228 Resp: 201158
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.7 32.5
 229 20.9 15.8 23.8





#83
Chrysene
Concen: 10.380 ng m
RT: 13.968 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

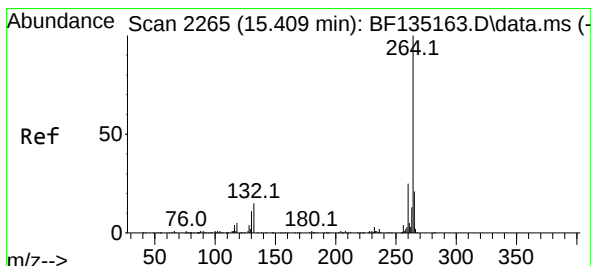
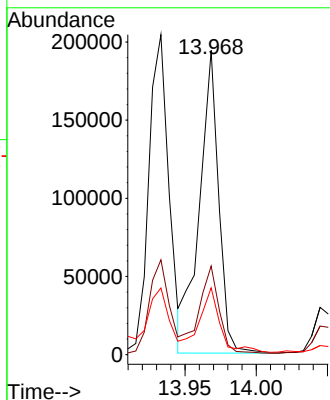
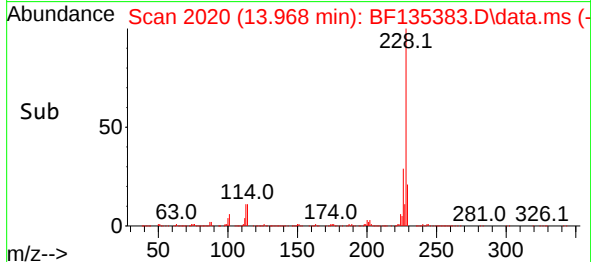
Instrument :
BNA_F
ClientSampleId :
B103-07



Tgt Ion:228 Resp: 182724
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 22.0 16.0 24.0

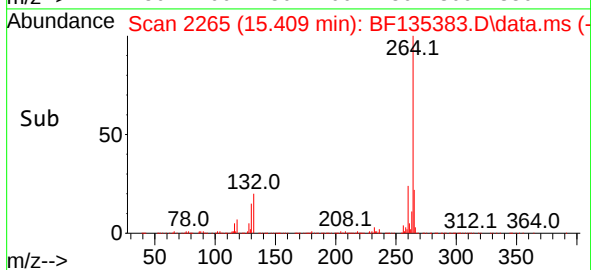
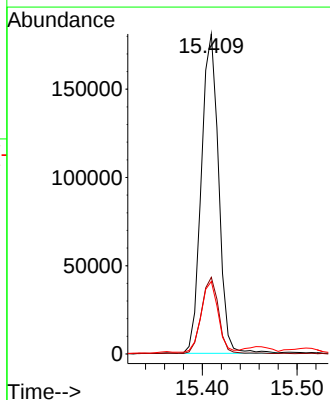
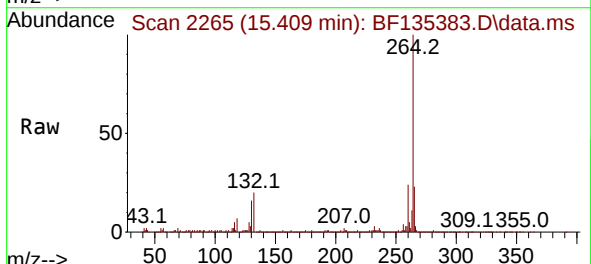
Manual Integrations
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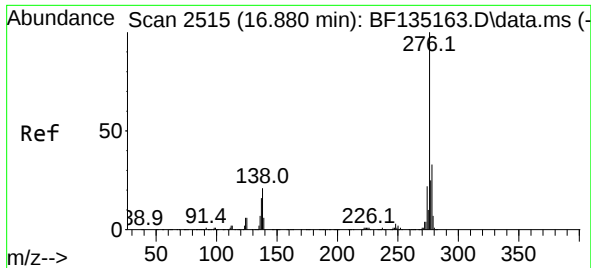
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

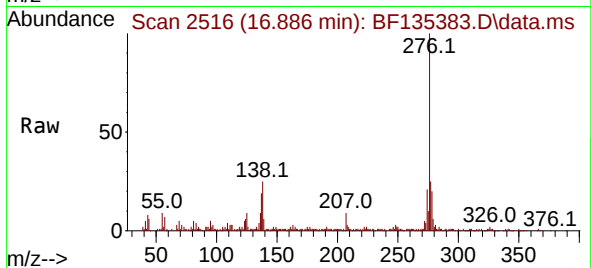
Tgt Ion:264 Resp: 228692
Ion Ratio Lower Upper
264 100
260 24.0 19.8 29.6
265 22.6 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.220 ng
RT: 16.886 min Scan# 2151
Delta R.T. 0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

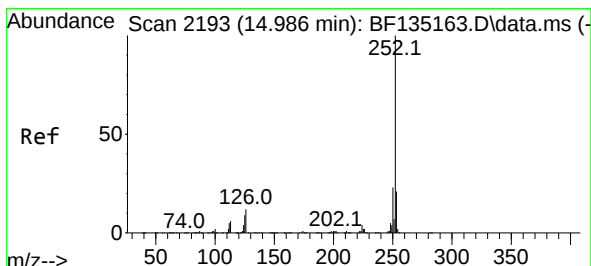
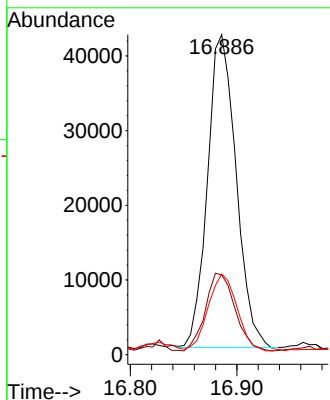
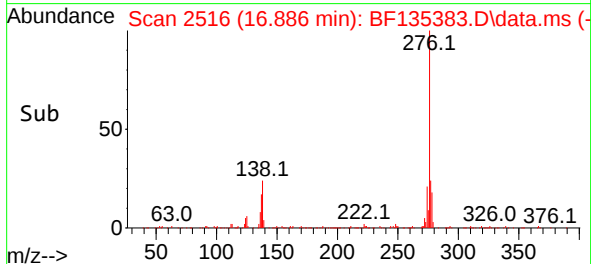
Instrument :
BNA_F
ClientSampleId :
B103-07



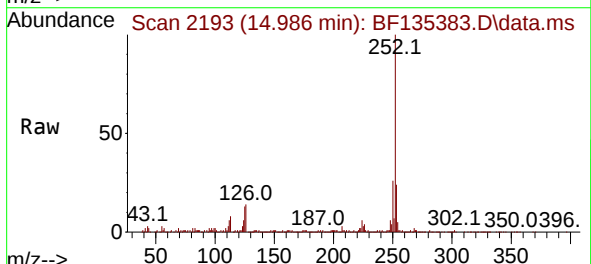
Tgt Ion:276 Resp: 7826
Ion Ratio Lower Upper
276 100
138 25.7 19.2 28.8
277 24.8 19.7 29.5

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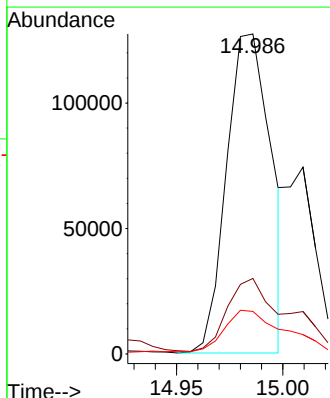
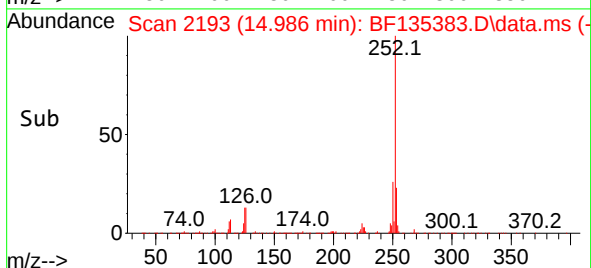
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

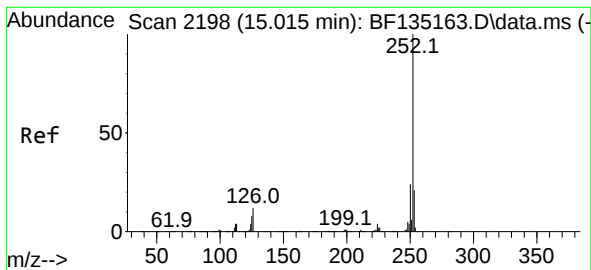


#88
Benzo(b)fluoranthene
Concen: 14.979 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38



Tgt Ion:252 Resp: 185445
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 13.3 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 5.659 ng m

RT: 15.009 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

Instrument :

BNA_F

ClientSampleId :

B103-07

Tgt Ion:252 Resp: 69200

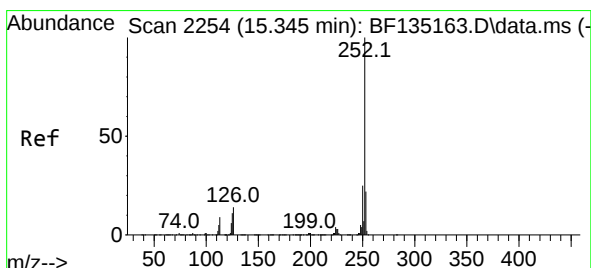
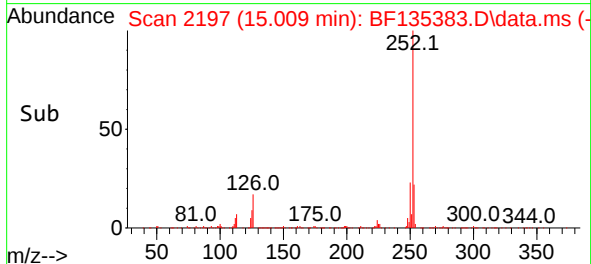
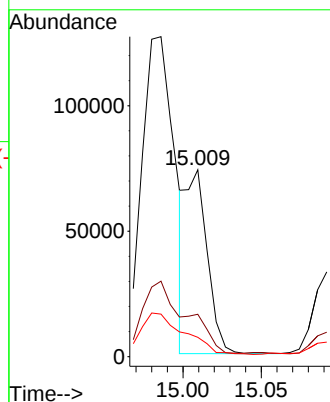
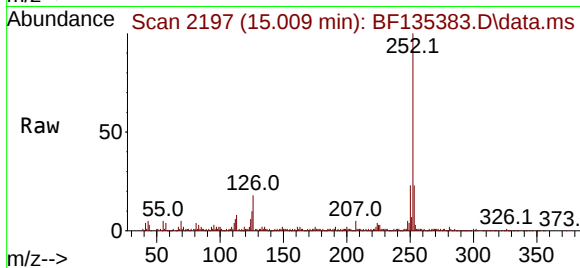
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	10.3	7.2	10.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/22/2023

Supervised By :mohammad ahmed 09/27/2023



#90

Benzo(a)pyrene

Concen: 12.658 ng

RT: 15.345 min Scan# 2254

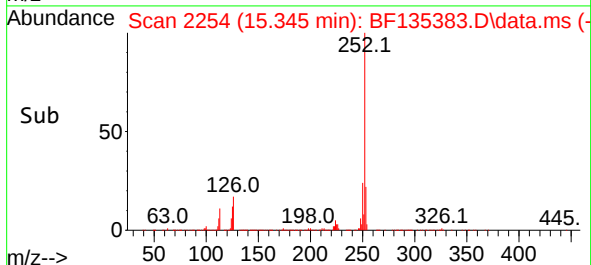
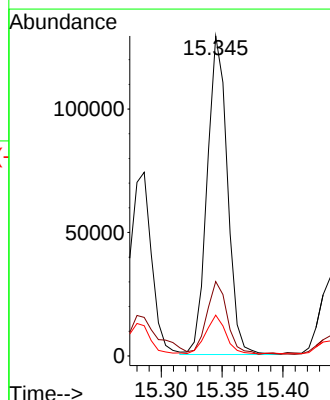
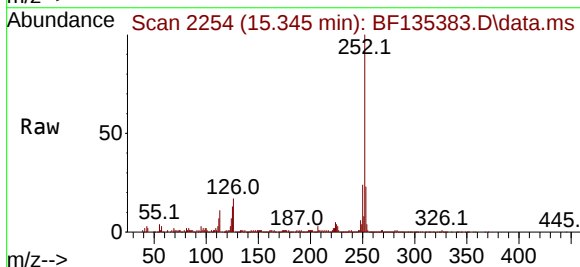
Delta R.T. 0.000 min

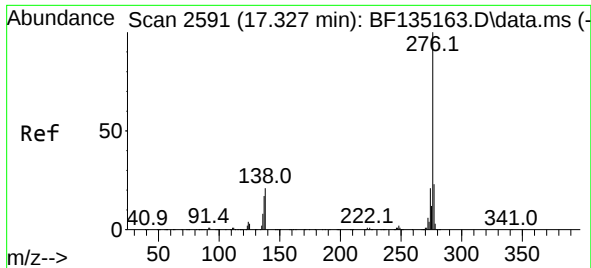
Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

Tgt Ion:252 Resp: 149441

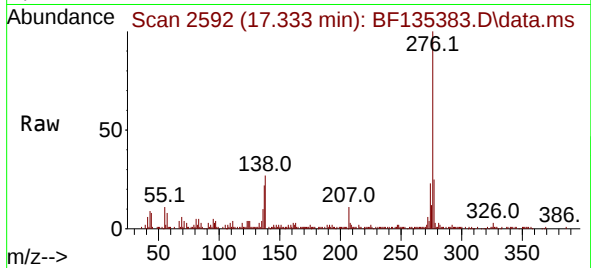
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	12.8	9.2	13.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.747 ng
 RT: 17.333 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135383.D
 Acq: 21 Sep 2023 16:38

Instrument :
 BNA_F
 ClientSampleId :
 B103-07



Tgt Ion: 276 Resp: 7364
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.8 28.2
 138 27.4 16.9 25.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023

