

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133708.D
 Acq On : 12 Jun 2023 17:24
 Operator : CG\JU
 Sample : 03044-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-5-7.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 12 18:04:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 16:32:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	74350	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	279316	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	131611	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	217432	20.000	ng	0.00
76) Chrysene-d12	14.004	240	158998	20.000	ng	-0.01
86) Perylene-d12	15.468	264	152636	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	512096	119.907	ng	0.00
7) Phenol-d6	6.463	99	613404	110.342	ng	0.00
23) Nitrobenzene-d5	7.398	82	431766	84.195	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	156067	93.680	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	738098	79.721	ng	0.00
79) Terphenyl-d14	12.951	244	587983	57.222	ng	0.00
Target Compounds					Qvalue	
52) Acenaphthene	9.904	154	17336	2.235	ng	97
58) Fluorene	10.416	166	22573	2.494	ng	96
71) Phenanthrene	11.386	178	312814	28.357	ng	99
72) Anthracene	11.433	178	67308	5.852	ng	98
75) Fluoranthene	12.574	202	487621	41.625	ng	98
78) Pyrene	12.810	202	489142	33.025	ng	100
81) Benzo(a)anthracene	13.998	228	250733	22.798	ng	96
83) Chrysene	14.033	228	242405	23.303	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	94486	8.998	ng	98
88) Benzo(b)fluoranthene	15.045	252	279634m	30.159	ng	
89) Benzo(k)fluoranthene	15.068	252	81217m	8.992	ng	
90) Benzo(a)pyrene	15.409	252	198376	23.053	ng	98
91) Dibenzo(a,h)anthracene	16.939	278	23545	2.708	ng	# 90
92) Benzo(g,h,i)perylene	17.368	276	89318	10.362	ng	98

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

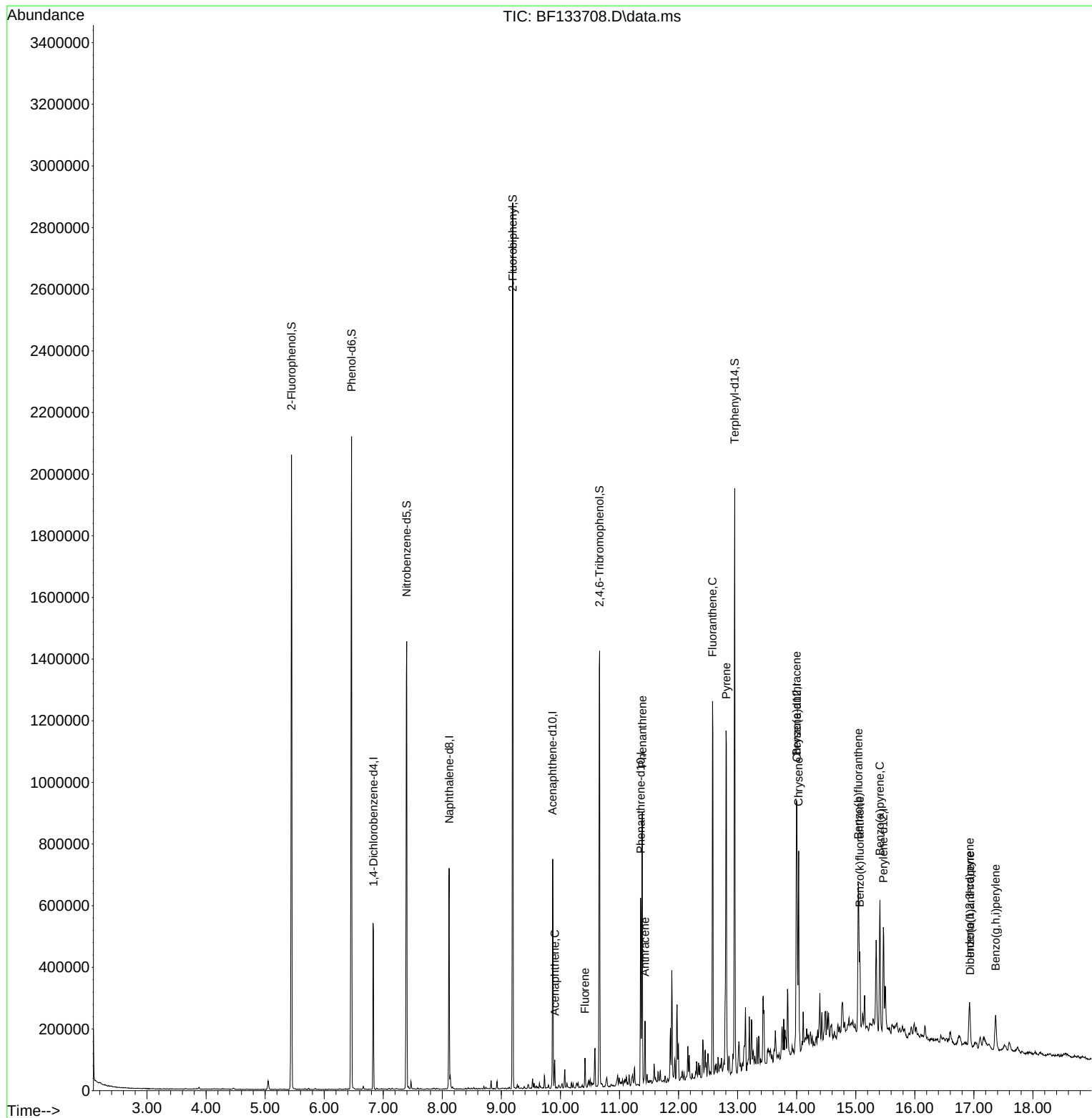
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
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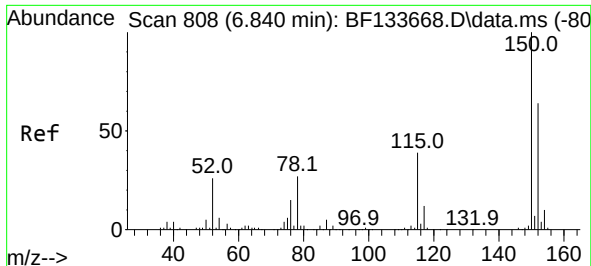
Instrument :
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Quant Time: Jun 12 18:04:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
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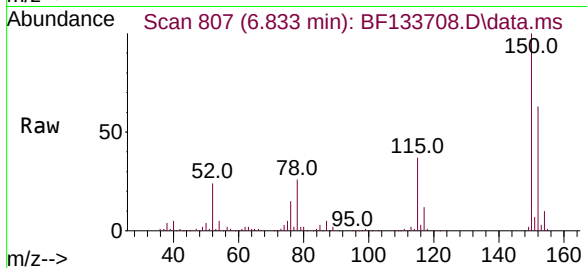
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

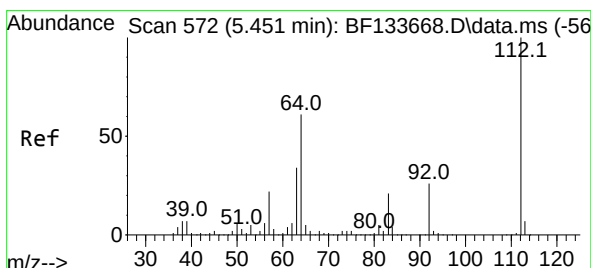
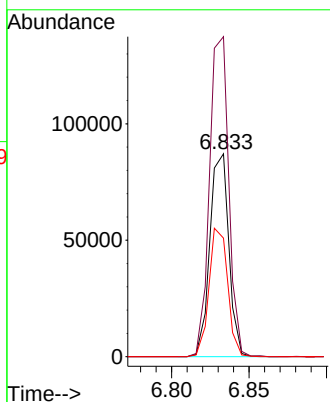
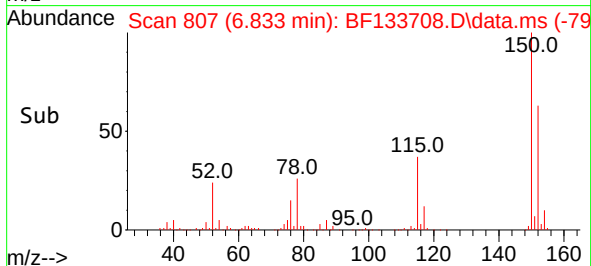
Instrument :
BNA_F
ClientSampleId :
SB-02-5-7.0



Tgt Ion:152 Resp: 74350
Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 58.4 48.5 72.7

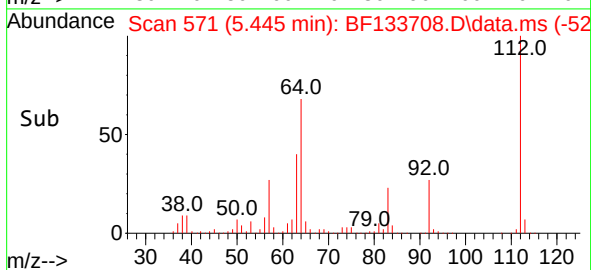
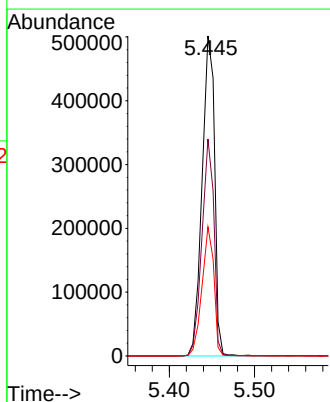
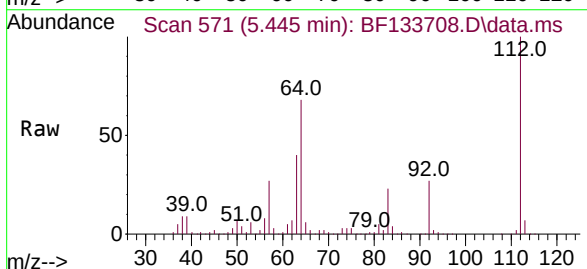
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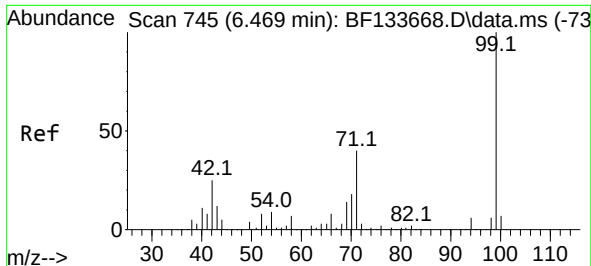
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 119.907 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

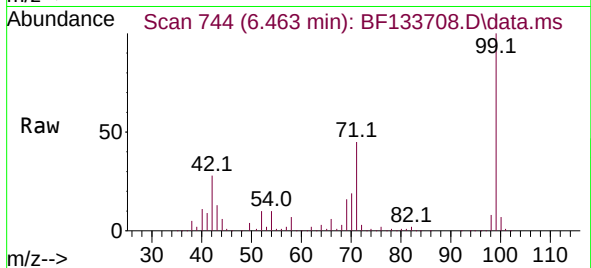
Tgt Ion:112 Resp: 512096
Ion Ratio Lower Upper
112 100
64 67.8 49.0 73.4
63 40.3 26.8 40.2#





#7
Phenol-d6
Concen: 110.342 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

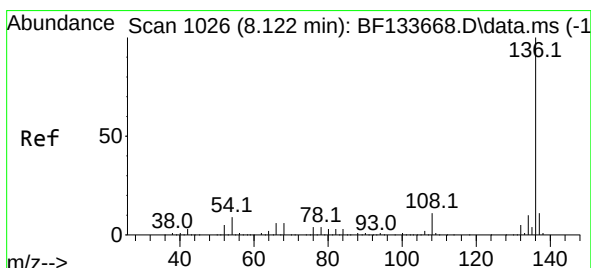
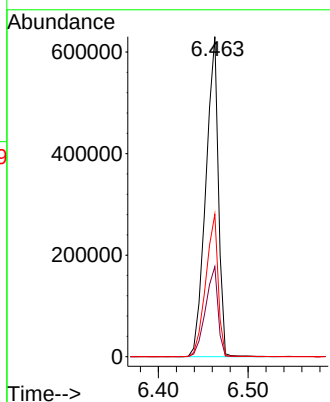
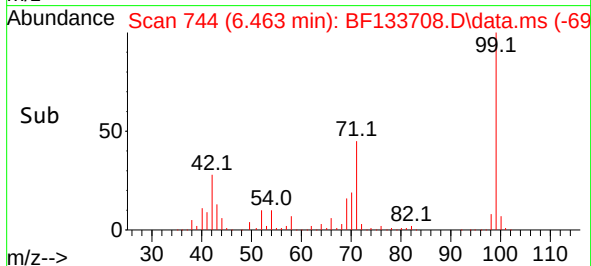
Instrument :
BNA_F
ClientSampleId :
SB-02-5-7.0



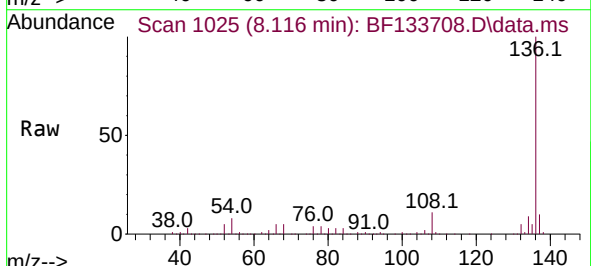
Tgt Ion: 99 Resp: 613404
Ion Ratio Lower Upper
99 100
42 28.1 19.9 29.9
71 44.5 32.2 48.4

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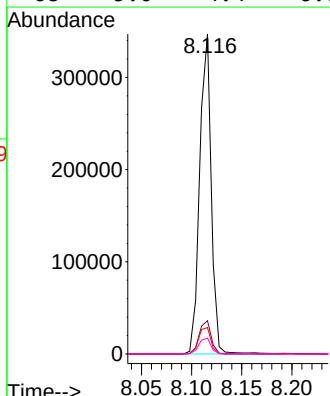
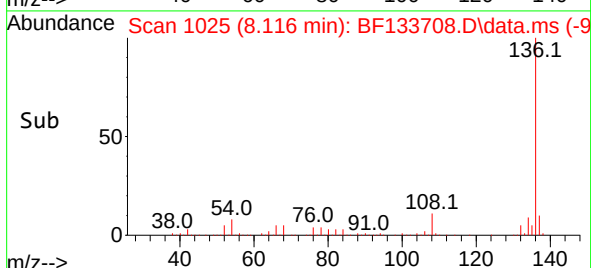
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

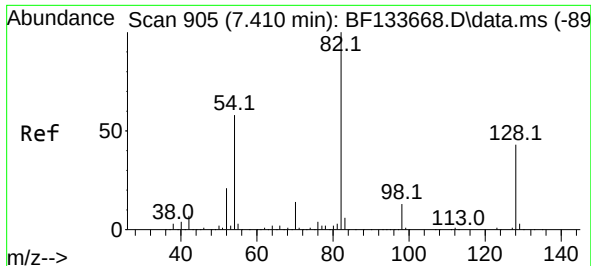


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24



Tgt Ion:136 Resp: 279316
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 8.2 7.4 11.0
68 5.0 4.4 6.6





#23

Nitrobenzene-d5

Concen: 84.195 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133708.D

Acq: 12 Jun 2023 17:24

Instrument :

BNA_F

ClientSampleId :

SB-02-5-7.0

Tgt Ion: 82 Resp: 431760

Ion Ratio Lower Upper

82 100

128 42.1 34.2 51.2

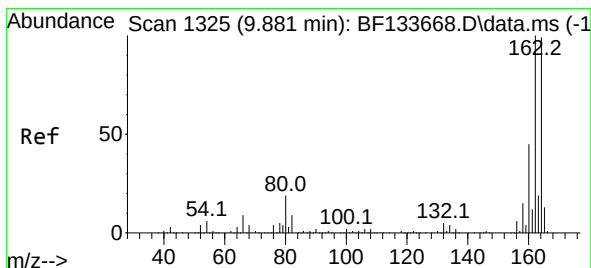
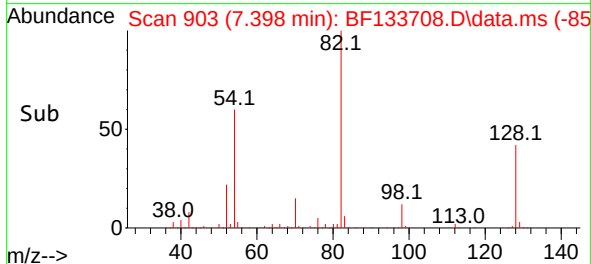
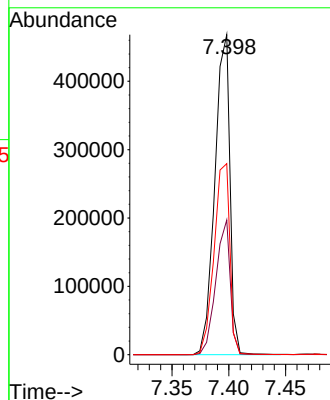
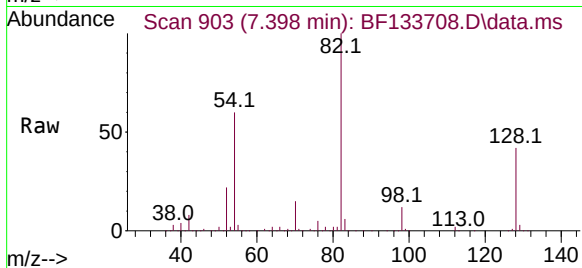
54 59.7 46.5 69.7

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BF133708.D

Acq: 12 Jun 2023 17:24

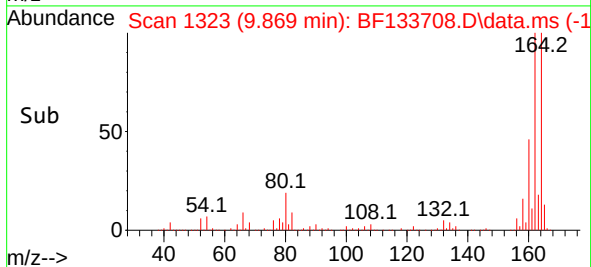
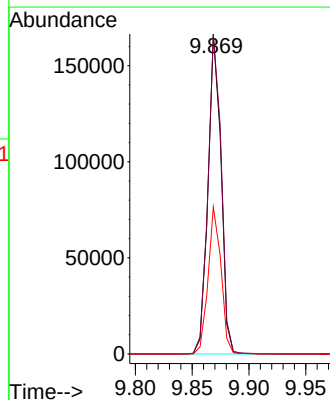
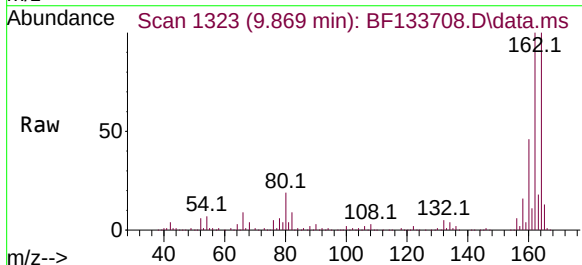
Tgt Ion:164 Resp: 131611

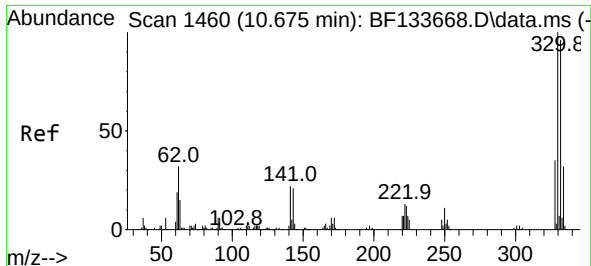
Ion Ratio Lower Upper

164 100

162 100.3 80.8 121.2

160 46.0 36.7 55.1





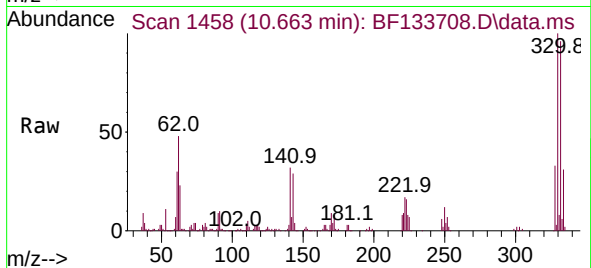
#42
2,4,6-Tribromophenol
Concen: 93.680 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Instrument :

BNA_F

ClientSampleId :

SB-02-5-7.0



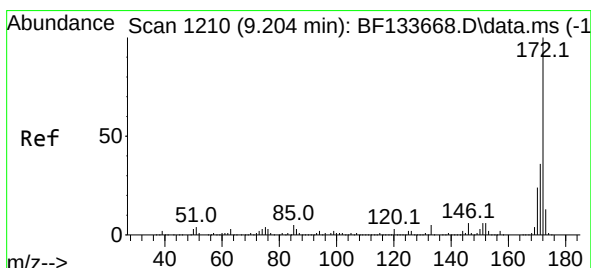
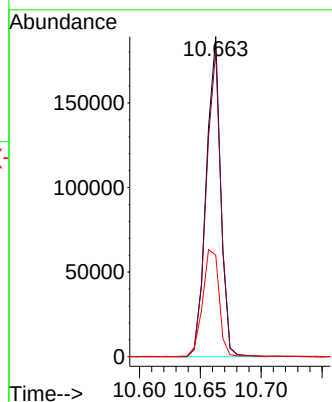
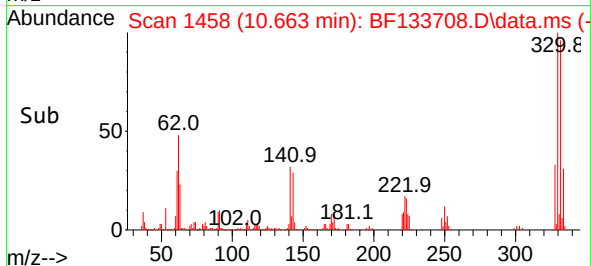
Tgt Ion: 330 Resp: 15606
Ion Ratio Lower Upper
330 100
332 97.2 77.2 115.8
141 38.5 24.9 37.3

Manual Integrations

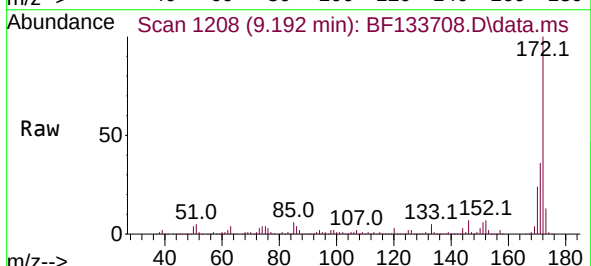
APPROVED

Reviewed By : Yogesh Patel 06/13/2023

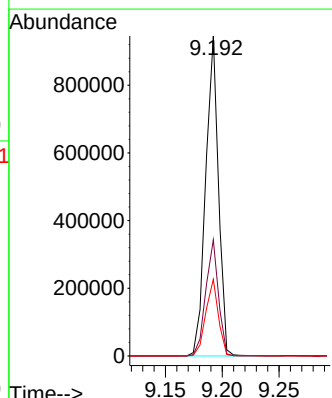
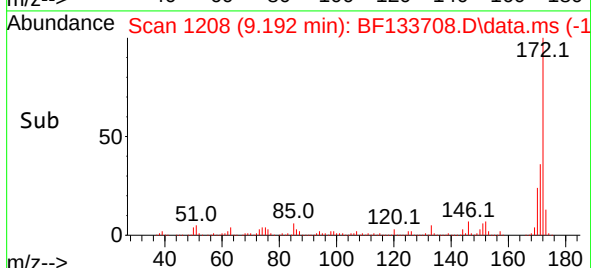
Supervised By : mohammad ahmed 06/13/2023

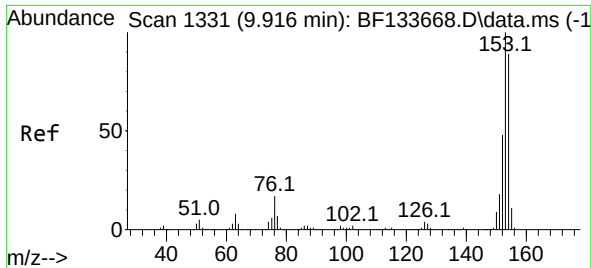


#45
2-Fluorobiphenyl
Concen: 79.721 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24



Tgt Ion: 172 Resp: 738098
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 24.0 19.1 28.7





#52
Acenaphthene
Concen: 2.235 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Instrument :

BNA_F

ClientSampleId :

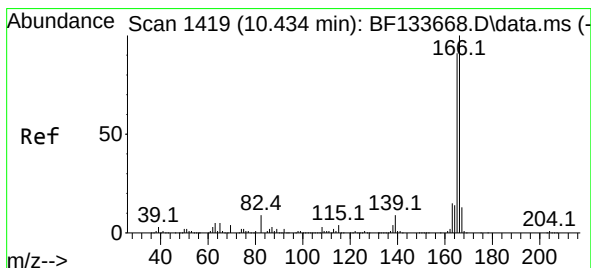
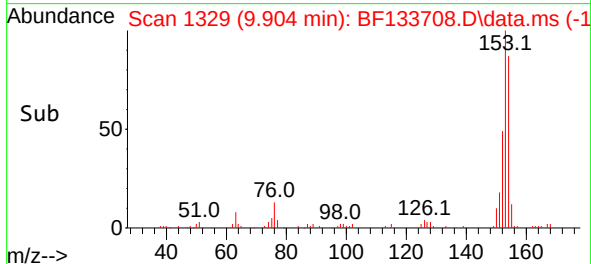
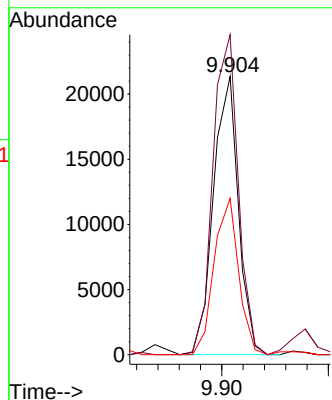
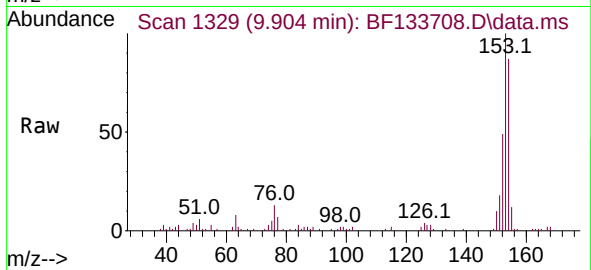
SB-02-5-7.0

Tgt Ion:154 Resp: 17330
Ion Ratio Lower Upper
154 100
153 115.0 89.8 134.8
152 56.2 43.4 65.2

Manual Integrations

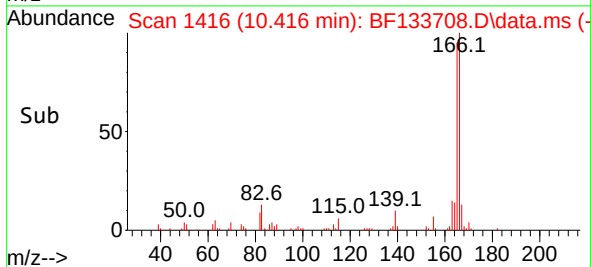
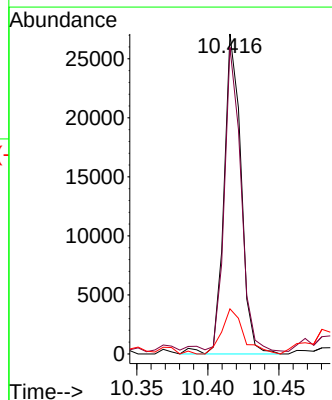
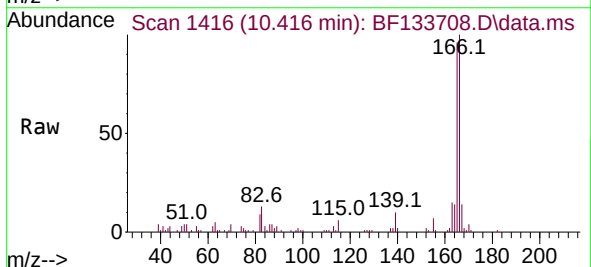
APPROVED

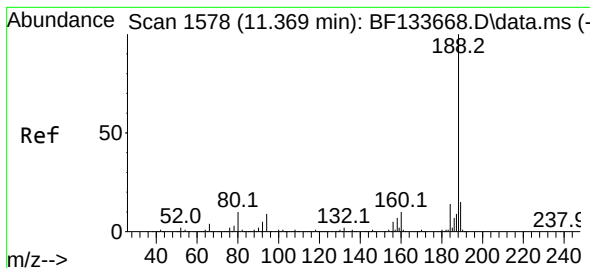
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#58
Fluorene
Concen: 2.494 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Tgt Ion:166 Resp: 22573
Ion Ratio Lower Upper
166 100
165 95.9 73.1 109.7
167 14.1 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133708.D

Acq: 12 Jun 2023 17:24

Instrument :

BNA_F

ClientSampleId :

SB-02-5-7.0

Tgt Ion:188 Resp: 21743

Ion Ratio Lower Upper

188 100

94 9.0 6.8 10.2

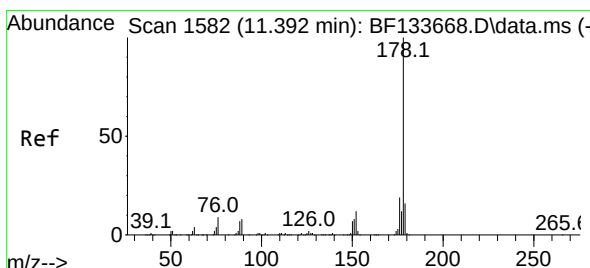
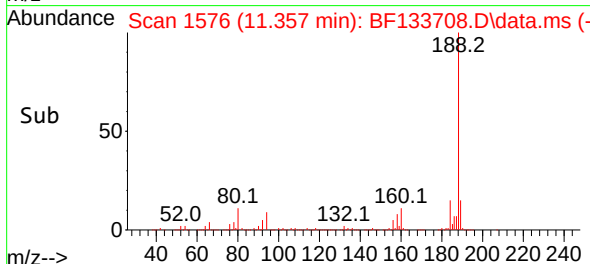
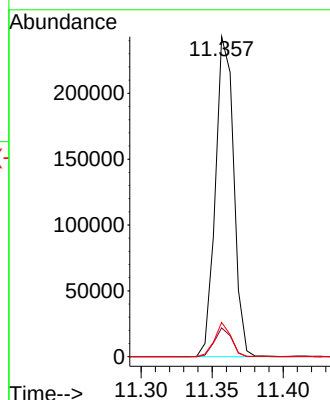
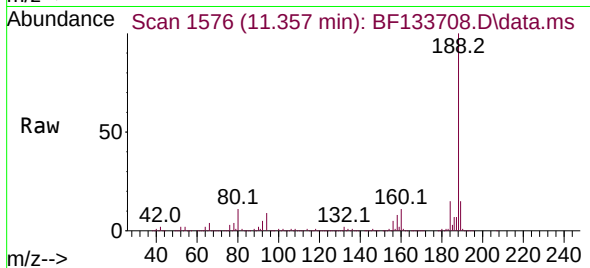
80 10.7 7.8 11.6

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2023



#71

Phenanthrene

Concen: 28.357 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF133708.D

Acq: 12 Jun 2023 17:24

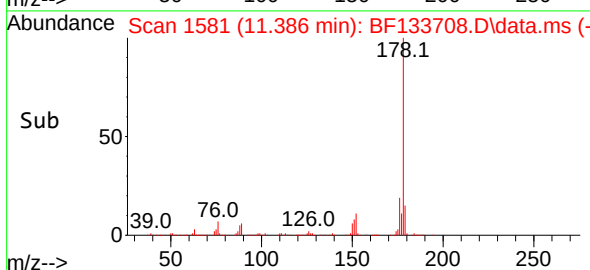
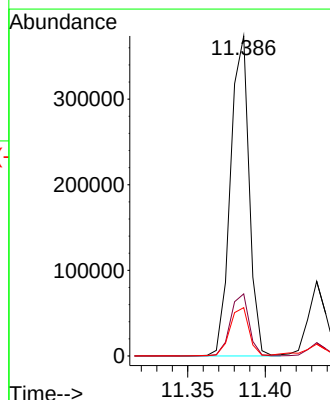
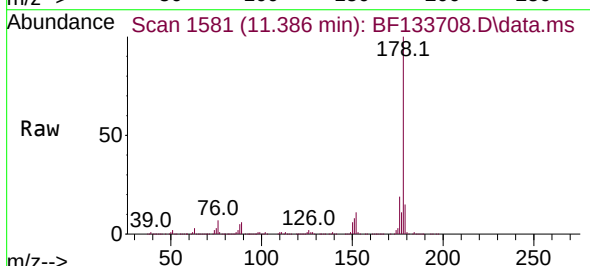
Tgt Ion:178 Resp: 312814

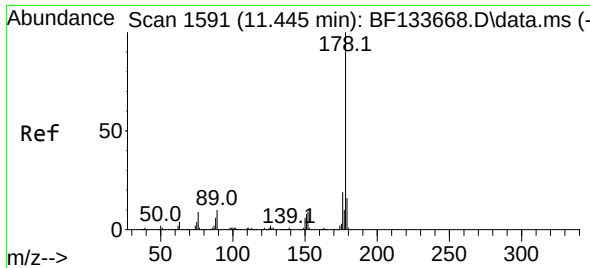
Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

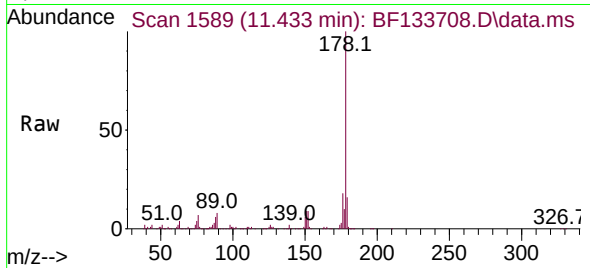
179 15.1 12.4 18.6





#72
 Anthracene
 Concen: 5.852 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. -0.012 min
 Lab File: BF133708.D
 Acq: 12 Jun 2023 17:24

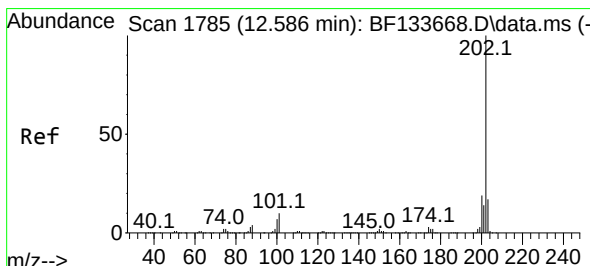
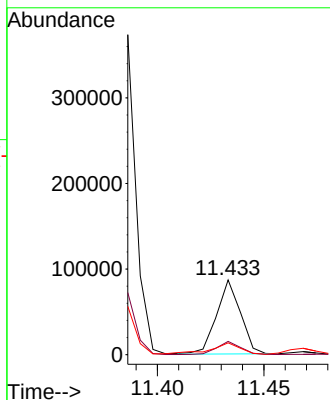
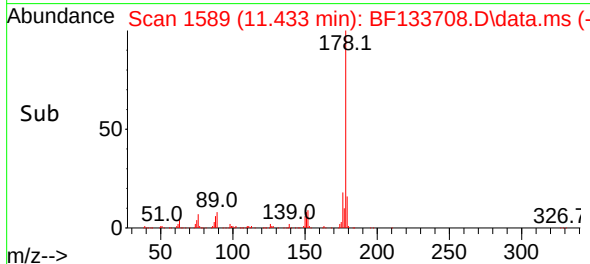
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-5-7.0



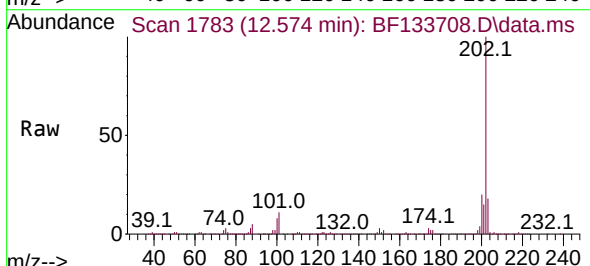
Tgt Ion:178 Resp: 67308
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.1 22.7
 179 15.8 12.6 18.8

Manual Integrations
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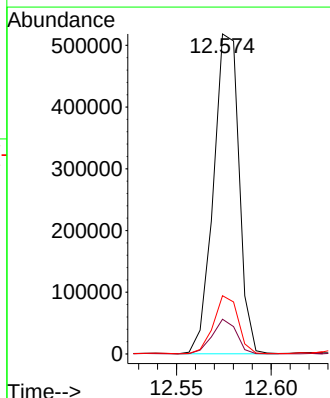
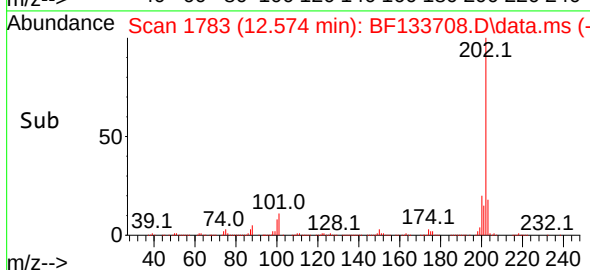
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

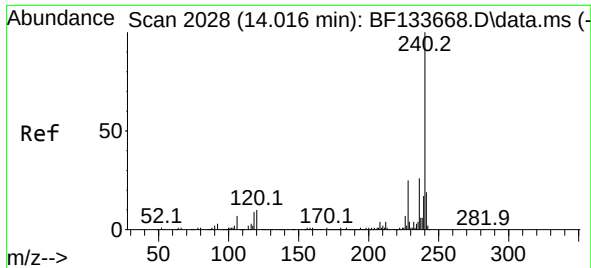


#75
 Fluoranthene
 Concen: 41.625 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. -0.006 min
 Lab File: BF133708.D
 Acq: 12 Jun 2023 17:24



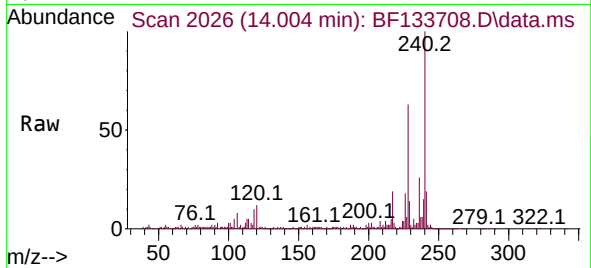
Tgt Ion:202 Resp: 487621
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.6
 203 18.2 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

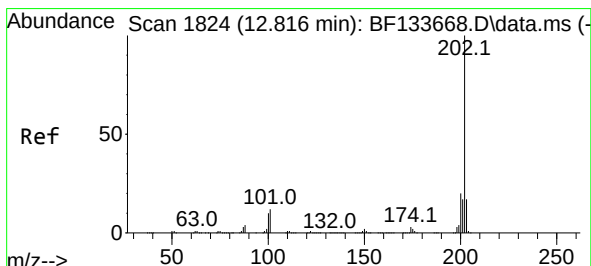
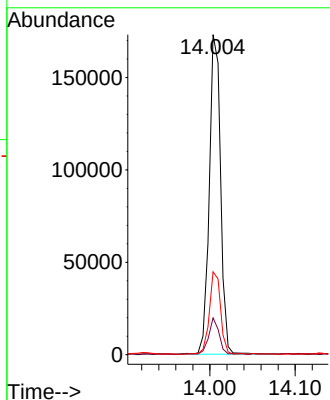
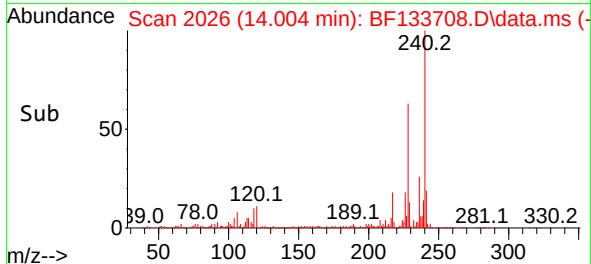
Instrument :
BNA_F
ClientSampleId :
SB-02-5-7.0



Tgt Ion:240 Resp: 158998
Ion Ratio Lower Upper
240 100
120 11.5 8.1 12.1
236 25.9 20.5 30.7

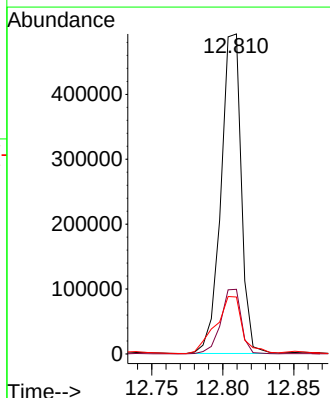
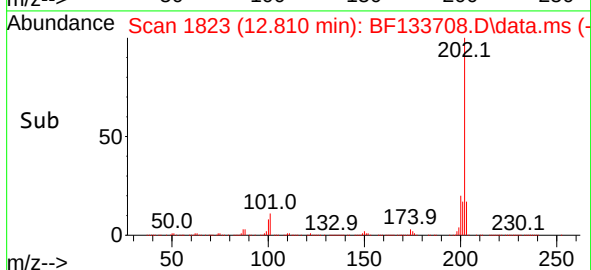
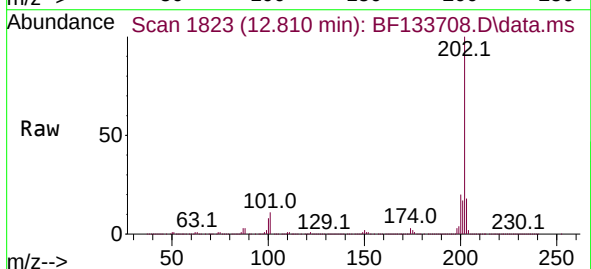
Manual Integrations
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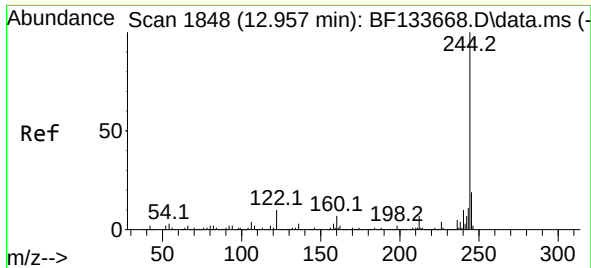
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#78
Pyrene
Concen: 33.025 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Tgt Ion:202 Resp: 489142
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 17.8 13.9 20.9





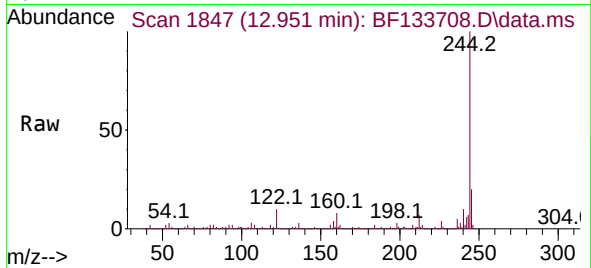
#79
Terphenyl-d14
Concen: 57.222 ng
RT: 12.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Instrument :

BNA_F

ClientSampleId :

SB-02-5-7.0

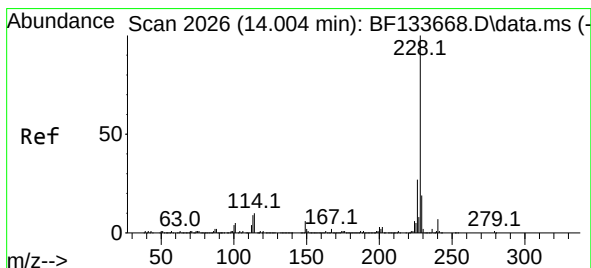
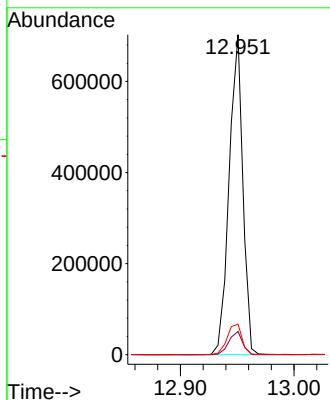
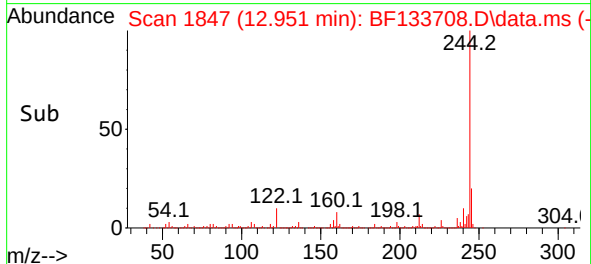


Tgt Ion:244 Resp: 58798
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 9.5 8.1 12.1

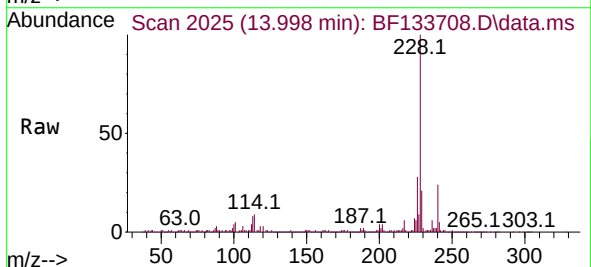
Manual Integrations

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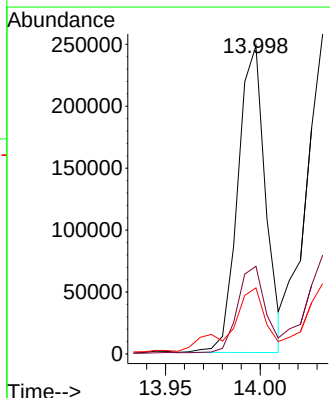
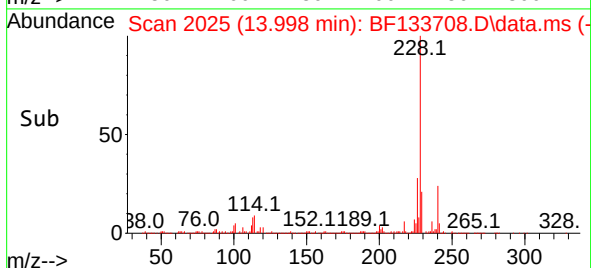
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

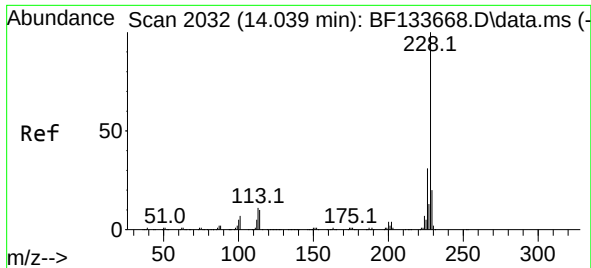


#81
Benzo(a)anthracene
Concen: 22.798 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24



Tgt Ion:228 Resp: 250733
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 21.5 15.4 23.2





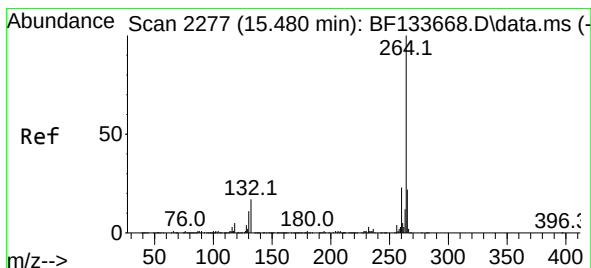
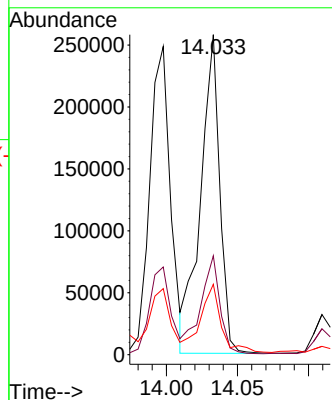
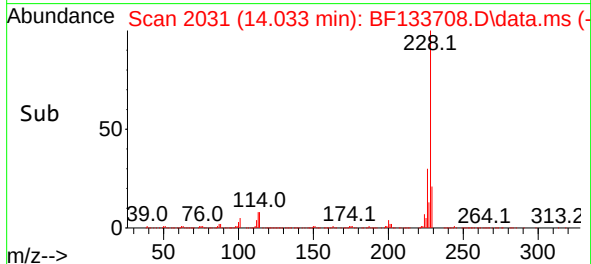
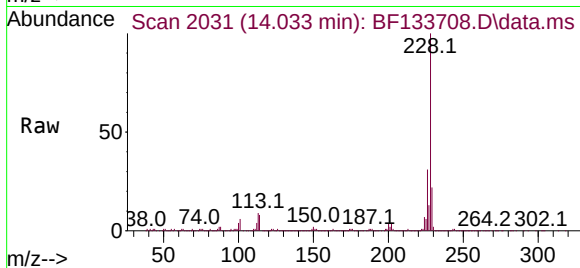
#83
Chrysene
Concen: 23.303 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Instrument :
BNA_F
ClientSampleId :
SB-02-5-7.0

Tgt Ion:228 Resp: 24240
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 22.0 15.8 23.8

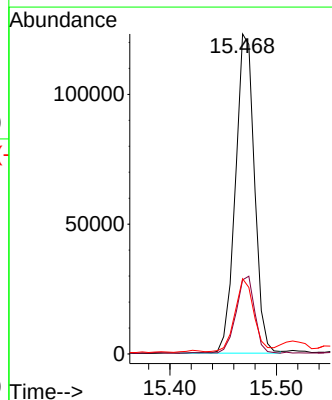
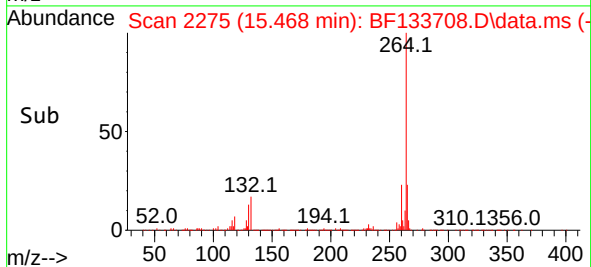
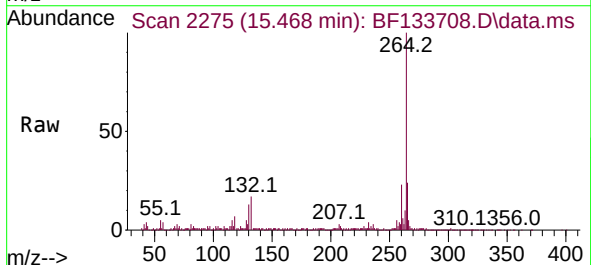
Manual Integrations
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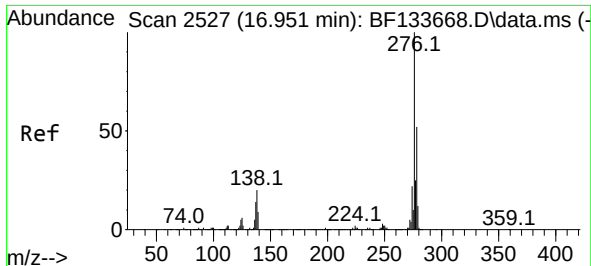
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Tgt Ion:264 Resp: 152636
Ion Ratio Lower Upper
264 100
260 23.1 18.2 27.2
265 23.5 17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.998 ng
RT: 16.927 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Instrument :

BNA_F

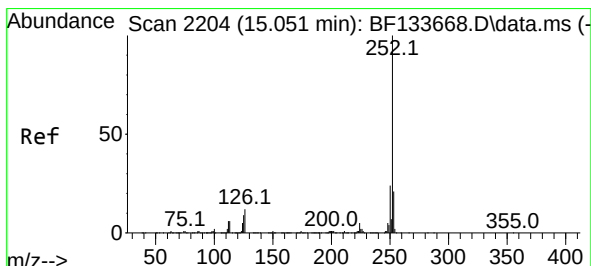
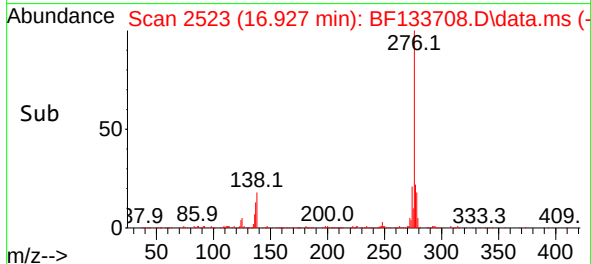
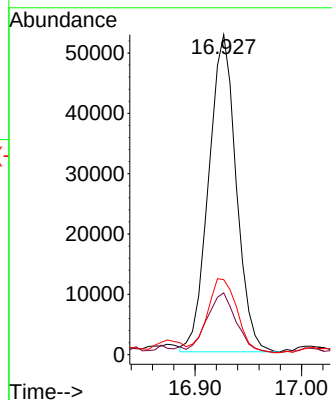
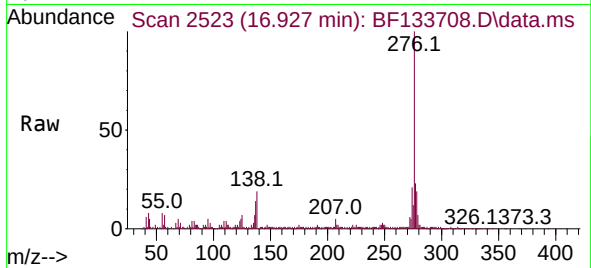
ClientSampleId :

SB-02-5-7.0

Tgt Ion:276 Resp: 94486
Ion Ratio Lower Upper
276 100
138 20.4 17.9 26.9
277 25.2 20.3 30.5

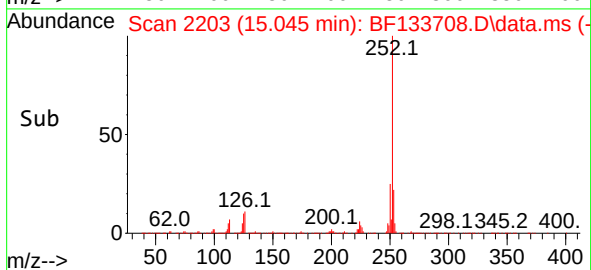
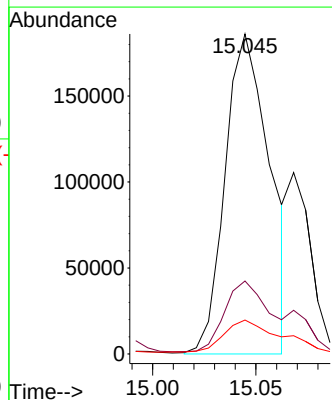
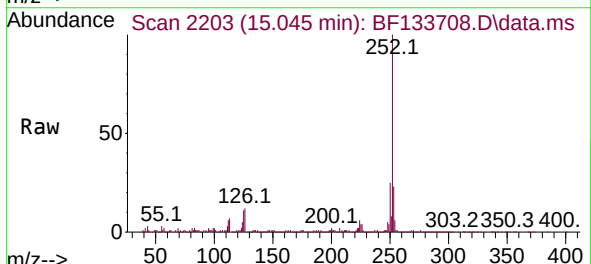
Manual Integrations
APPROVED

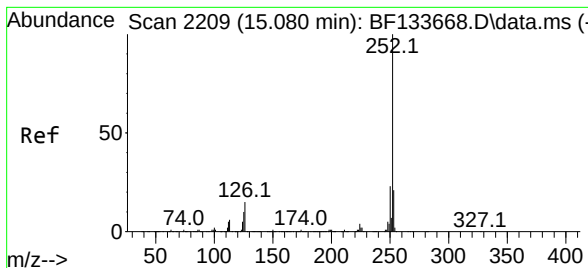
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#88
Benzo(b)fluoranthene
Concen: 30.159 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Tgt Ion:252 Resp: 279634
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 10.6 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 8.992 ng m

RT: 15.068 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133708.D

Acq: 12 Jun 2023 17:24

Instrument :

BNA_F

ClientSampleId :

SB-02-5-7.0

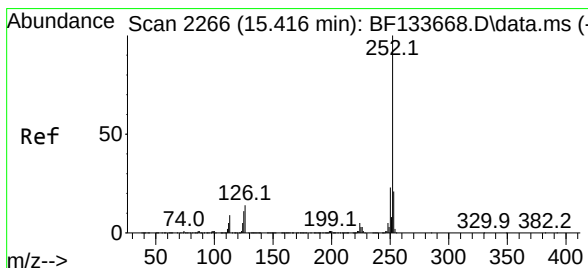
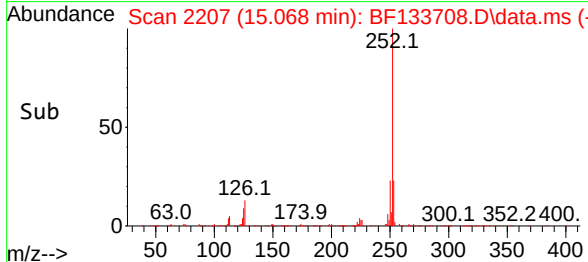
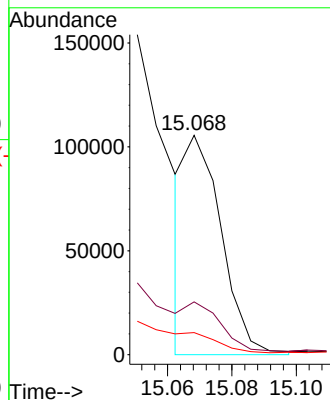
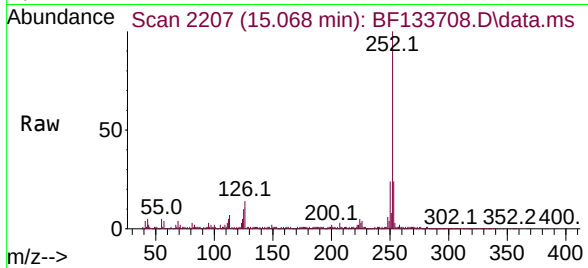
Tgt Ion:252	Resp:	8121
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.0 25.4
125	10.0	7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#90

Benzo(a)pyrene

Concen: 23.053 ng

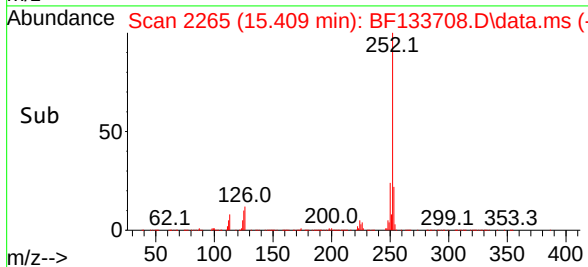
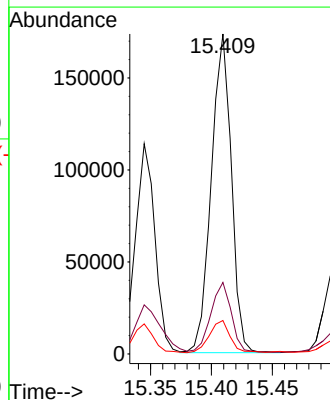
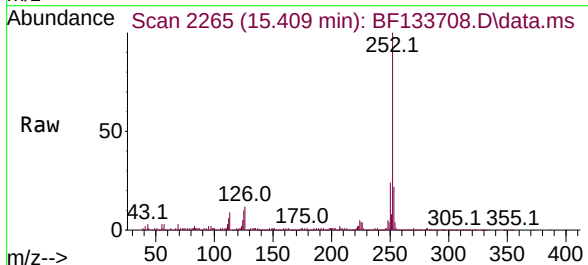
RT: 15.409 min Scan# 2265

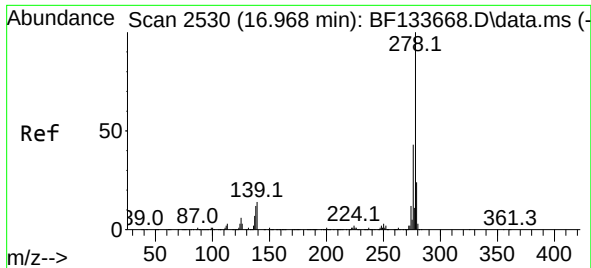
Delta R.T. -0.006 min

Lab File: BF133708.D

Acq: 12 Jun 2023 17:24

Tgt Ion:252	Resp:	198376
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.1 25.7
125	10.4	8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 2.708 ng
RT: 16.939 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Instrument :

BNA_F

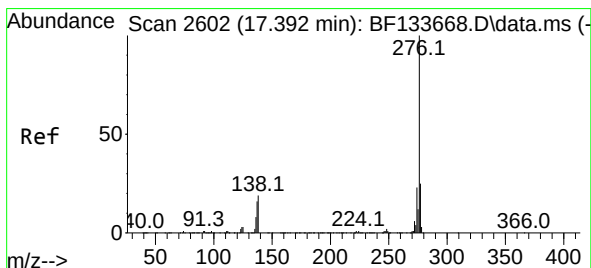
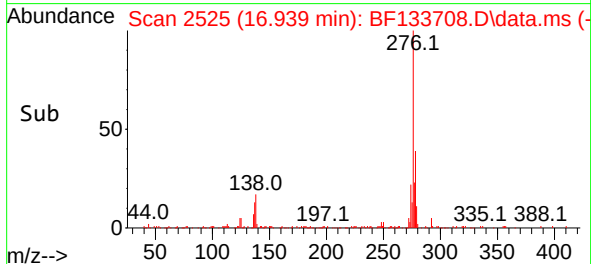
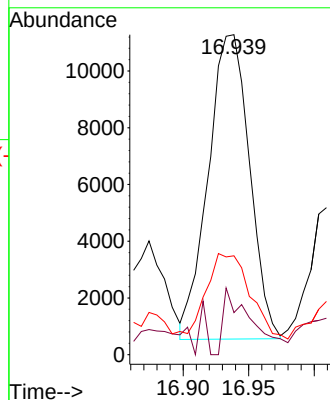
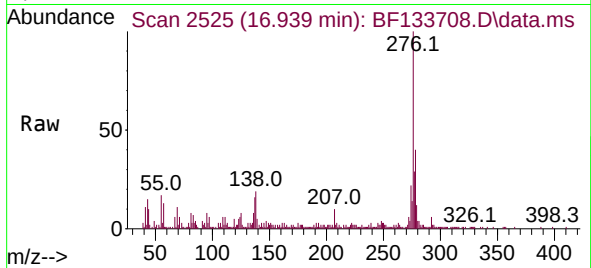
ClientSampleId :

SB-02-5-7.0

Tgt Ion:278 Resp: 2354
Ion Ratio Lower Upper
278 100
139 13.1 11.4 17.2
279 30.9 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#92
Benzo(g,h,i)perylene
Concen: 10.362 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.024 min
Lab File: BF133708.D
Acq: 12 Jun 2023 17:24

Tgt Ion:276 Resp: 89318
Ion Ratio Lower Upper
276 100
277 24.9 19.8 29.8
138 21.1 15.0 22.4

