

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134944.D
 Acq On : 25 Aug 2023 16:57
 Operator : CG\JU
 Sample : 04110-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-19(0-1)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/26/2023
 Supervised By :mohammad ahmed 08/26/2023

Quant Time: Aug 25 17:17:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	80155	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	299677	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	140321	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	252952	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	168520	20.000	ng	0.00
86) Perylene-d12	15.445	264	157769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	390737	77.735	ng	-0.01
7) Phenol-d6	6.422	99	491867	76.580	ng	-0.02
23) Nitrobenzene-d5	7.345	82	297538	54.710	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	109841	66.464	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	561854	61.899	ng	-0.01
79) Terphenyl-d14	12.916	244	614732	50.172	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.086	128	44393	2.967	ng	99
52) Acenaphthene	9.857	154	34116	4.251	ng	98
71) Phenanthrene	11.339	178	184191	13.896	ng	99
72) Anthracene	11.392	178	55918	4.117	ng	98
73) Carbazole	11.551	167	24054	2.149	ng	98
75) Fluoranthene	12.539	202	391556	31.176	ng	97
78) Pyrene	12.769	202	353374	19.777	ng	100
81) Benzo(a)anthracene	13.963	228	199679	17.367	ng	95
83) Chrysene	13.998	228	174087	15.346	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	108410	9.613	ng	97
88) Benzo(b)fluoranthene	15.015	252	262436m	29.483	ng	
89) Benzo(k)fluoranthene	15.039	252	84097m	9.621	ng	
90) Benzo(a)pyrene	15.380	252	186935	21.037	ng	99
91) Dibenzo(a,h)anthracene	16.939	278	25454m	2.790	ng	
92) Benzo(g,h,i)perylene	17.380	276	104175	11.153	ng	99

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

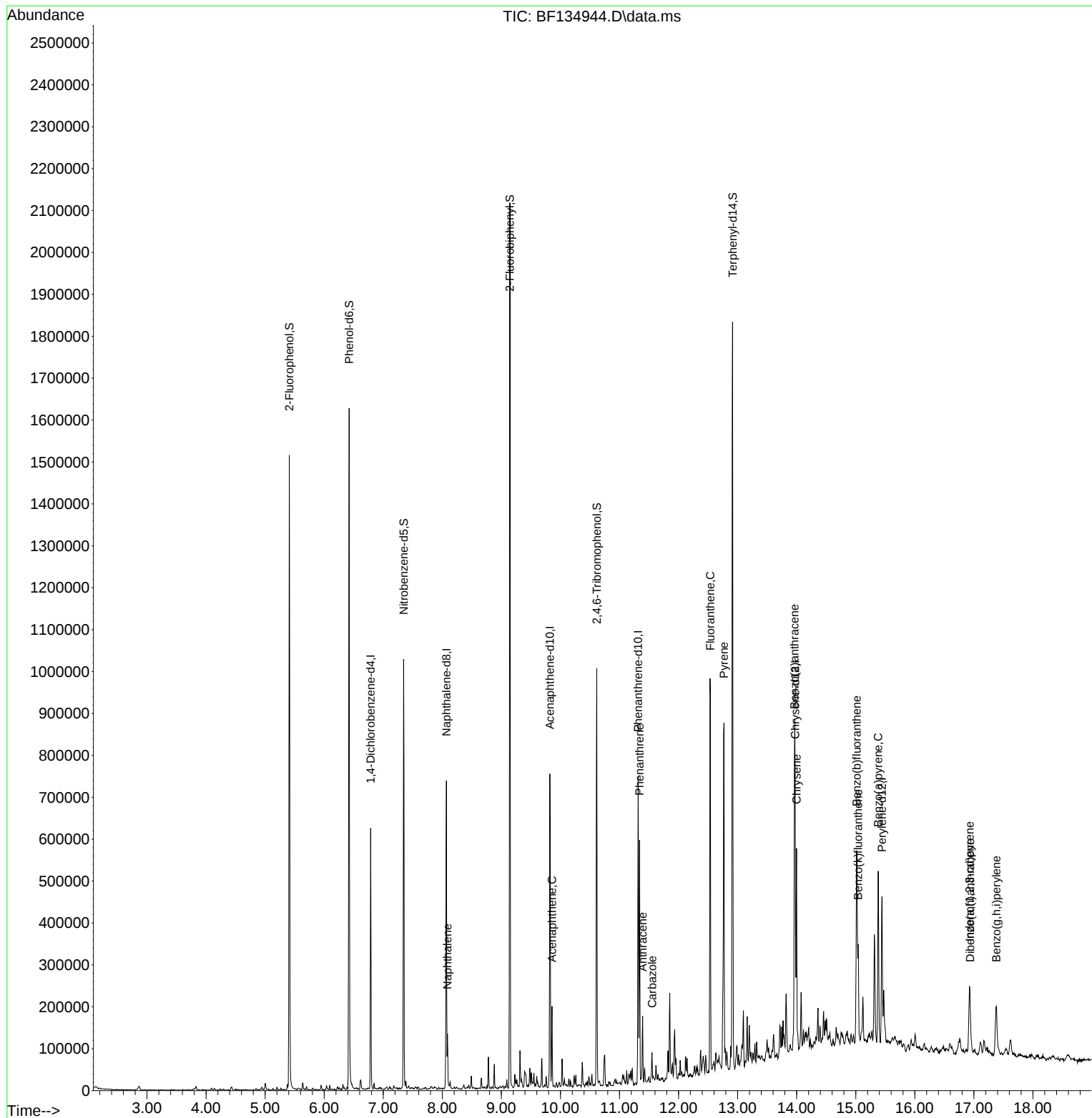
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134944.D
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ALS Vial : 9 Sample Multiplier: 1

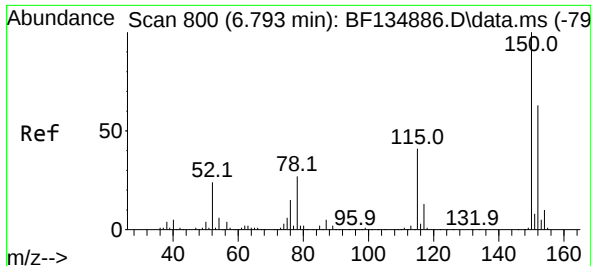
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
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Supervised By :mohammad ahmed 08/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

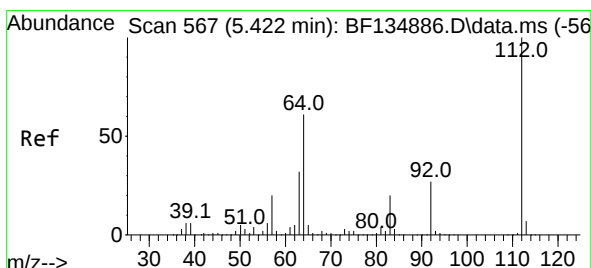
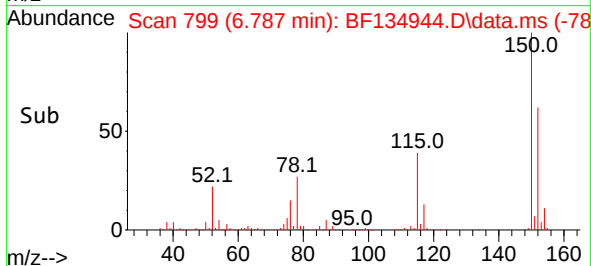
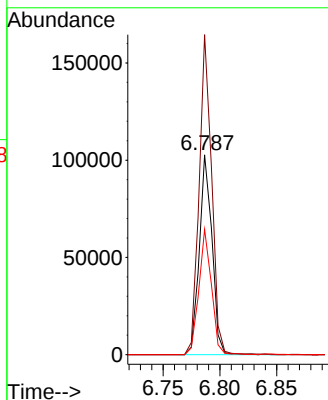
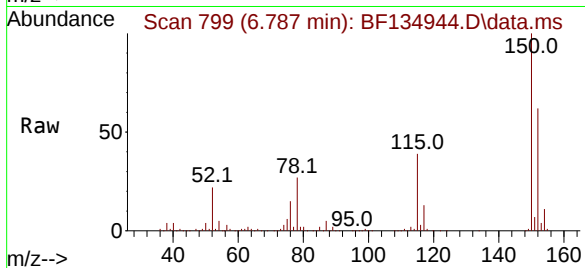
SS-TP-19(0-1)

Tgt Ion:152 Resp: 8015
Ion Ratio Lower Upper
152 100
150 160.2 126.1 189.1
115 62.7 51.1 76.7

Manual Integrations

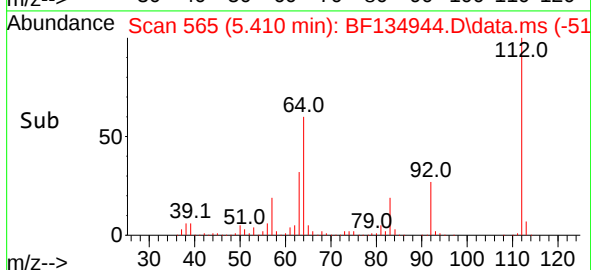
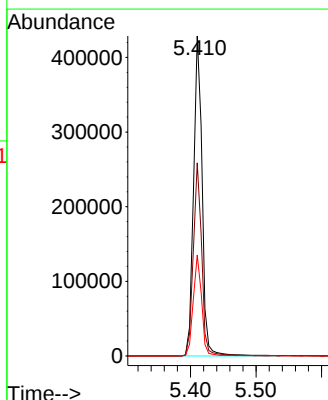
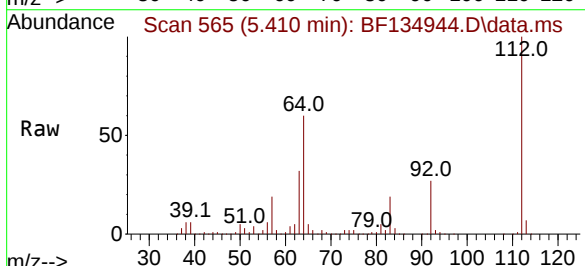
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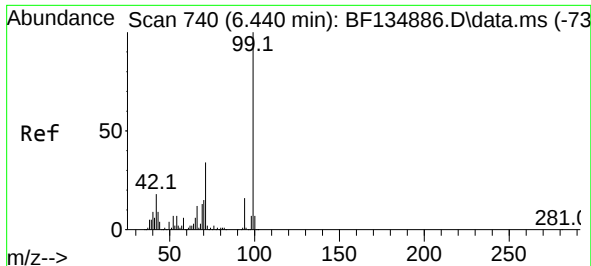
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#5
2-Fluorophenol
Concen: 77.735 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

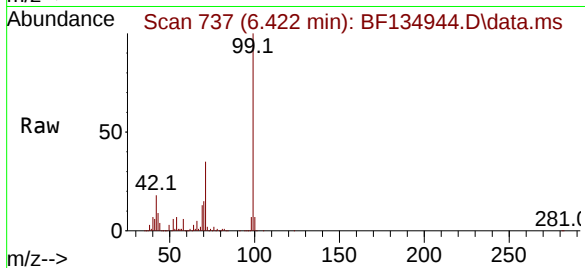
Tgt Ion:112 Resp: 390737
Ion Ratio Lower Upper
112 100
64 60.4 48.6 73.0
63 31.6 25.7 38.5





#7
Phenol-d6
Concen: 76.580 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

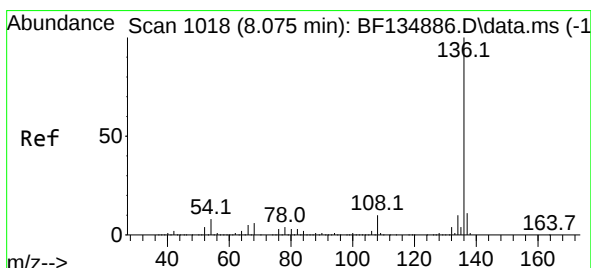
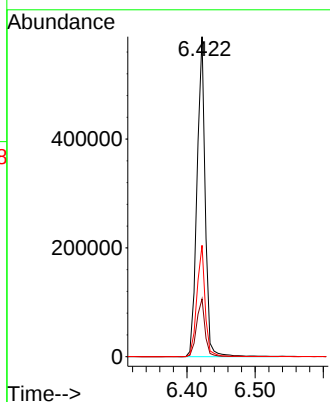
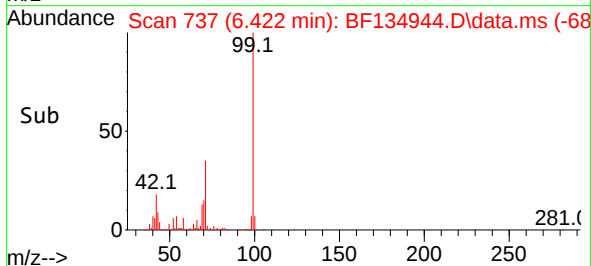
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)



Tgt Ion: 99 Resp: 49186
Ion Ratio Lower Upper
99 100
42 18.0 14.6 22.0
71 34.8 27.6 41.4

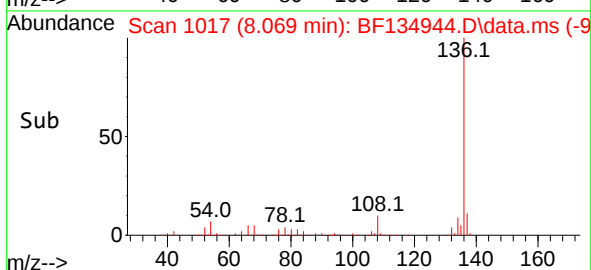
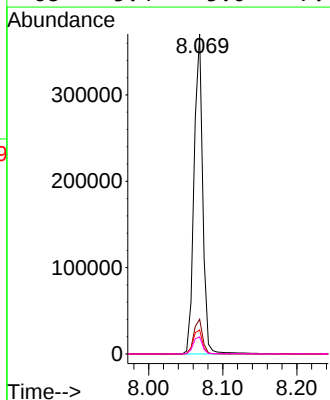
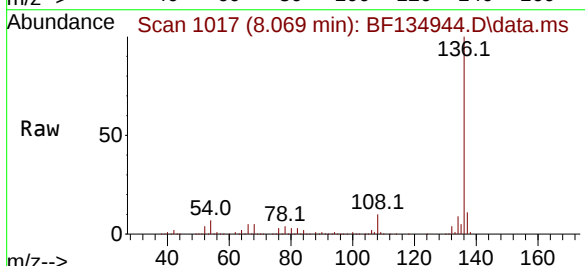
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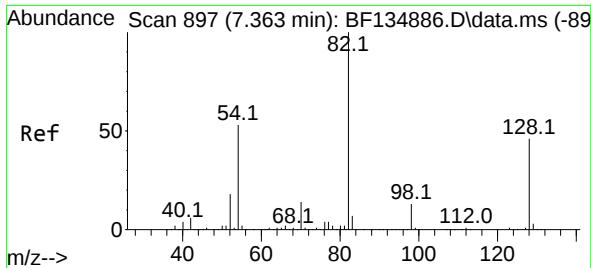
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion:136 Resp: 299677
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.5 6.6 9.8
68 5.4 5.0 7.4





#23
Nitrobenzene-d5
Concen: 54.710 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

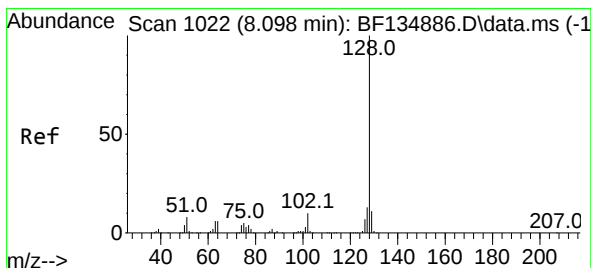
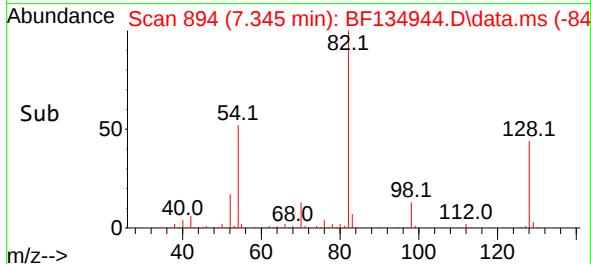
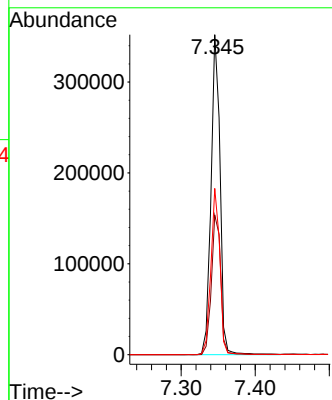
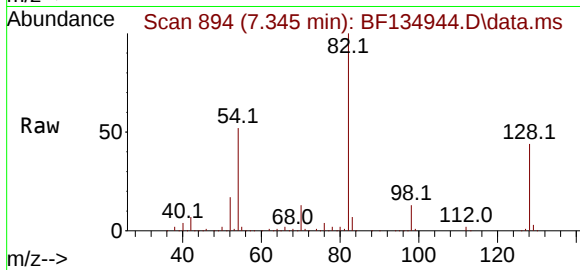
ClientSampleId :

SS-TP-19(0-1)

Tgt Ion: 82 Resp: 297538
Ion Ratio Lower Upper
82 100
128 43.6 36.6 54.8
54 51.9 42.6 63.8

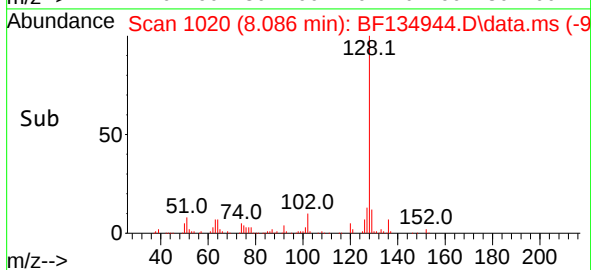
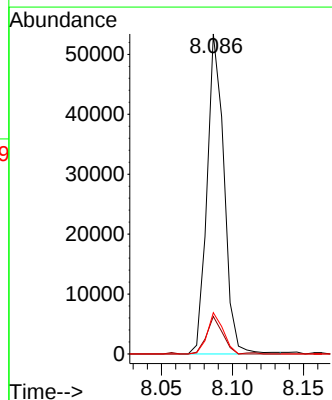
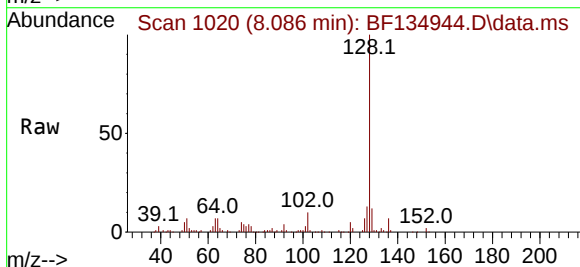
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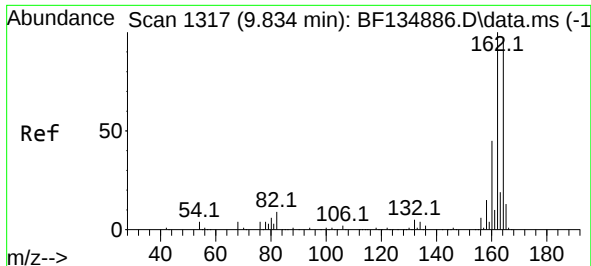
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#31
Naphthalene
Concen: 2.967 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion:128 Resp: 44393
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.4
127 12.9 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

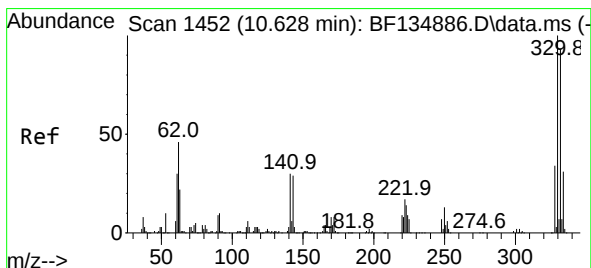
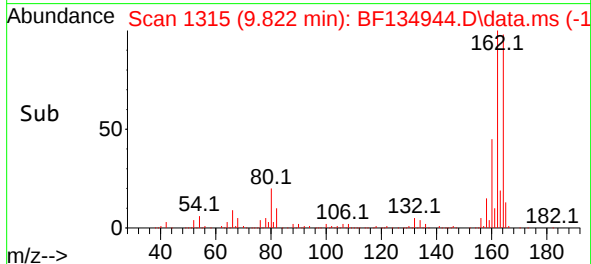
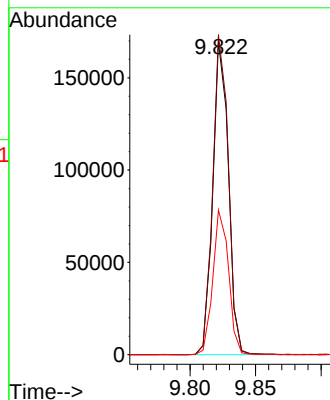
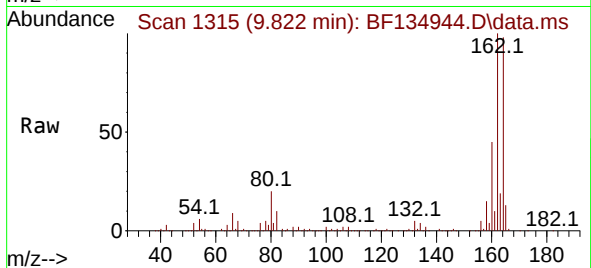
Tgt Ion:164	Resp: 14032
Ion Ratio	Lower Upper
164	100
162	102.2 82.6 123.8
160	46.2 37.0 55.4

Manual Integrations

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Supervised By :mohammad ahmed 08/26/2023



#42

2,4,6-Tribromophenol

Concen: 66.464 ng

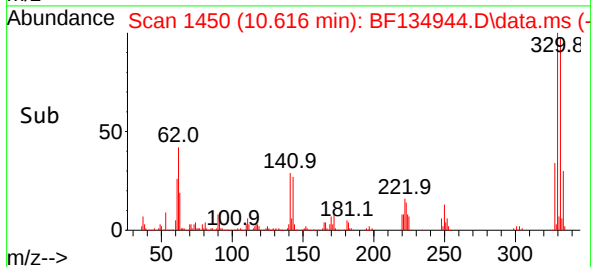
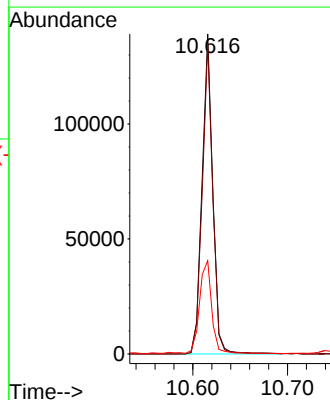
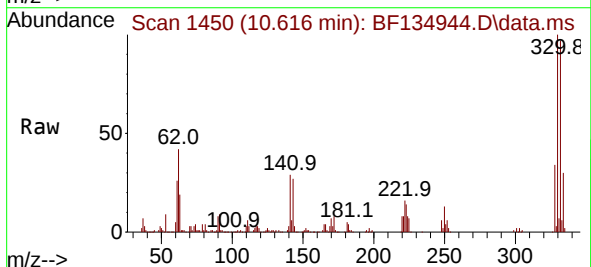
RT: 10.616 min Scan# 1450

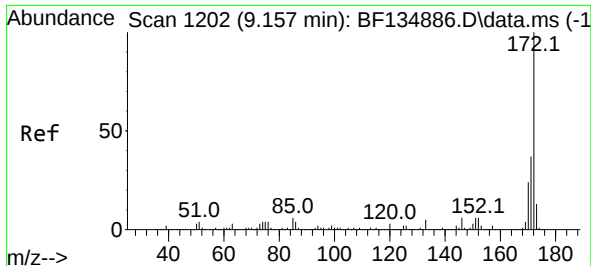
Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Tgt Ion:330	Resp: 109841
Ion Ratio	Lower Upper
330	100
332	95.9 76.3 114.5
141	33.0 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 61.899 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

Tgt Ion:172 Resp: 561854

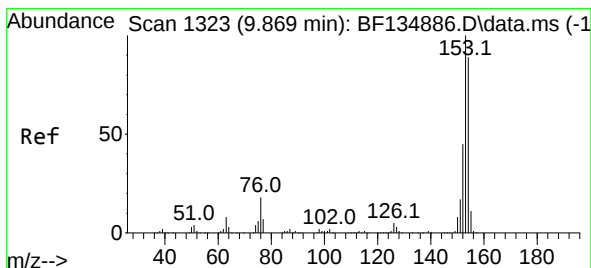
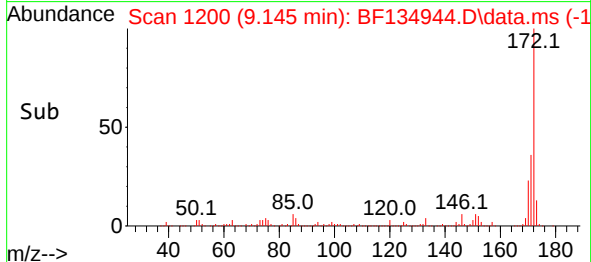
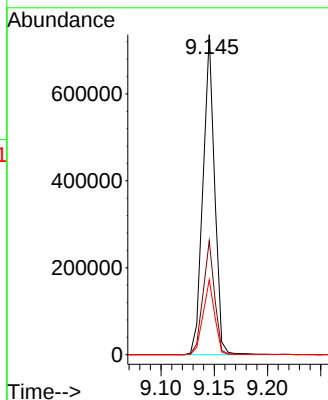
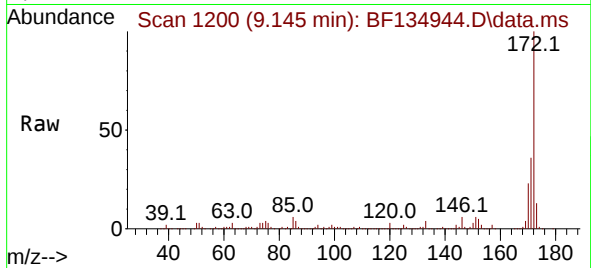
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	23.4	19.6	29.4

Manual Integrations

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Supervised By :mohammad ahmed 08/26/2023



#52

Acenaphthene

Concen: 4.251 ng

RT: 9.857 min Scan# 1321

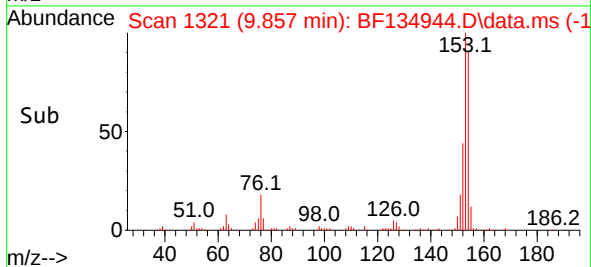
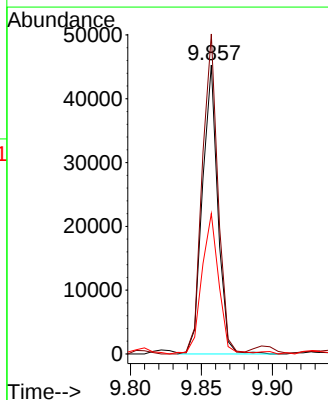
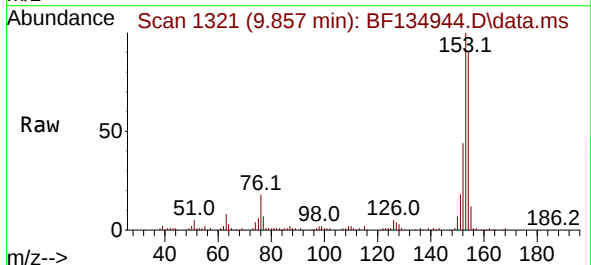
Delta R.T. -0.012 min

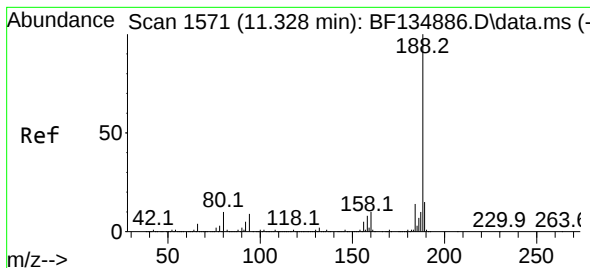
Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Tgt Ion:154 Resp: 34116

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.6	134.4
152	48.6	40.5	60.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

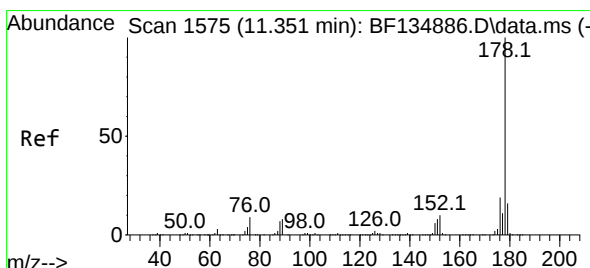
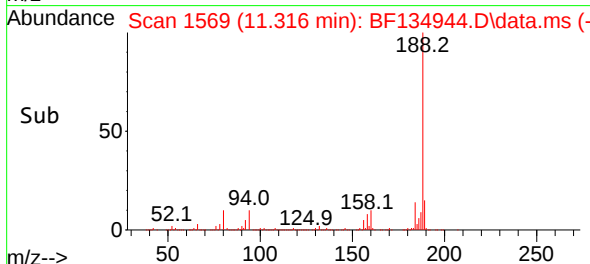
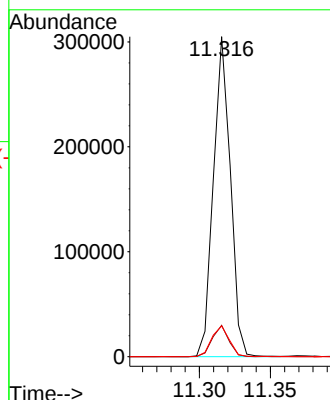
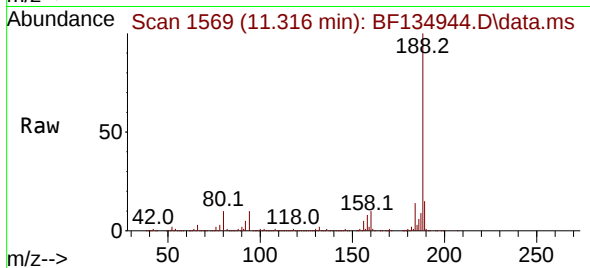
SS-TP-19(0-1)

Tgt Ion:188	Resp: 25295
Ion Ratio	Lower Upper
188 100	
94 9.8	7.5 11.3
80 9.6	7.8 11.6

Manual Integrations

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Supervised By :mohammad ahmed 08/26/2023



#71

Phenanthrene

Concen: 13.896 ng

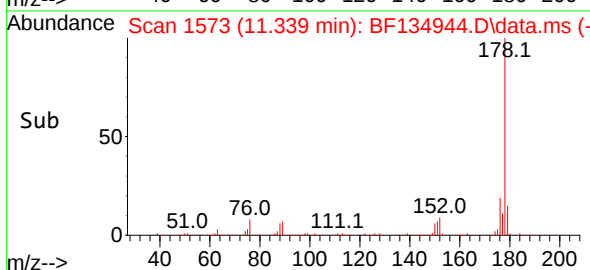
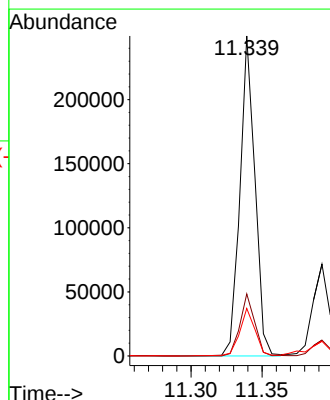
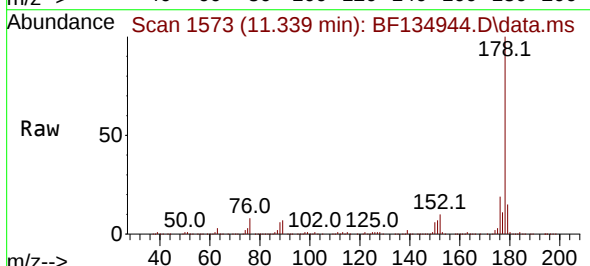
RT: 11.339 min Scan# 1573

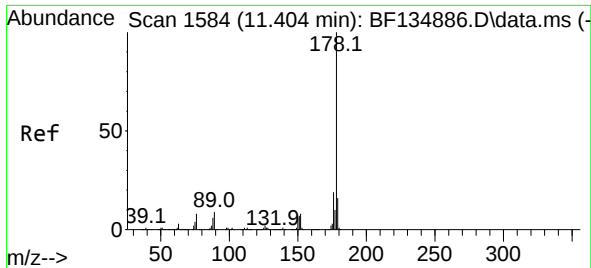
Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

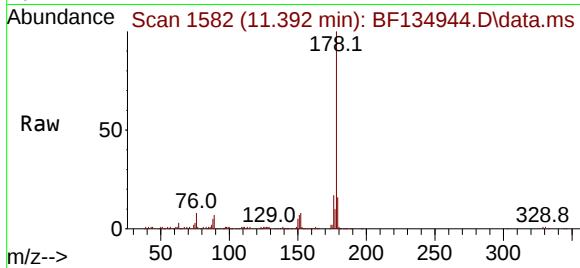
Tgt Ion:178	Resp: 184191
Ion Ratio	Lower Upper
178 100	
176 19.4	15.5 23.3
179 14.8	12.6 19.0





#72
 Anthracene
 Concen: 4.117 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134944.D
 Acq: 25 Aug 2023 16:57

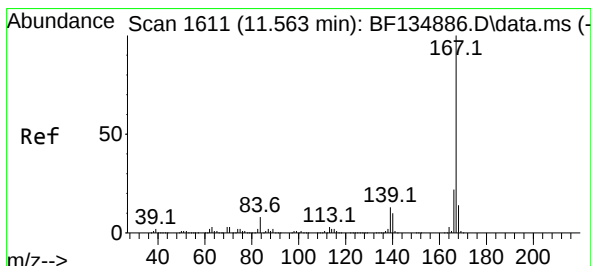
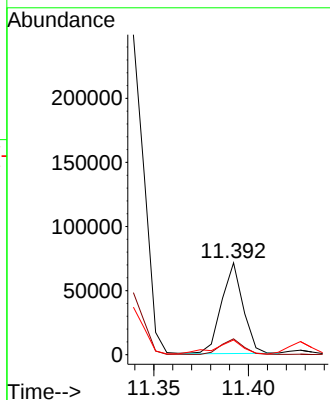
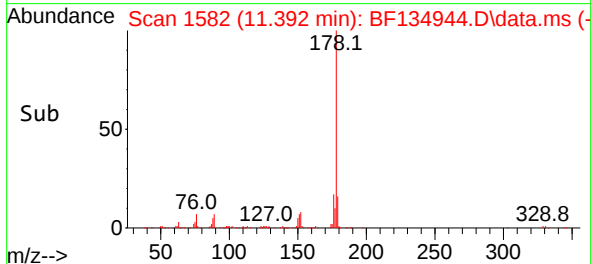
Instrument :
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 SS-TP-19(0-1)



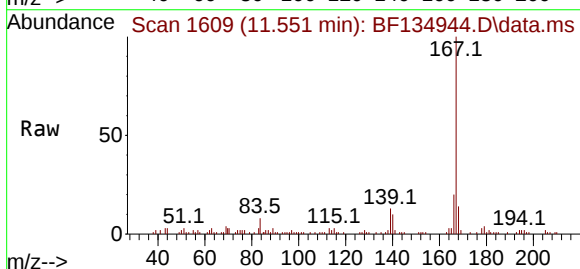
Tgt Ion:178 Resp: 55918
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.0 22.6
 179 16.1 12.5 18.7

Manual Integrations
 APPROVED

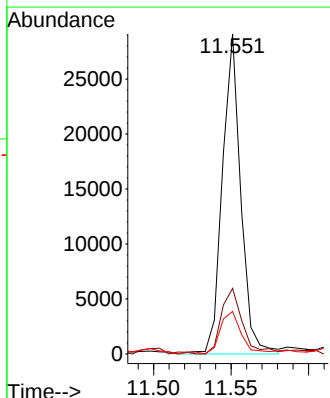
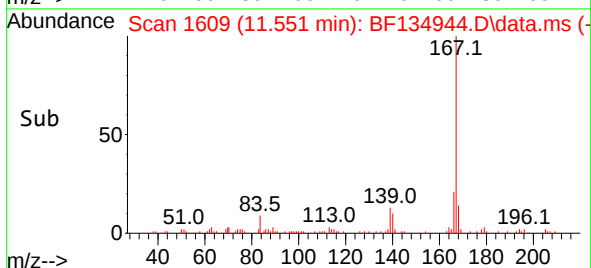
Reviewed By :Yogesh Patel 08/26/2023
 Supervised By :mohammad ahmed 08/26/2023

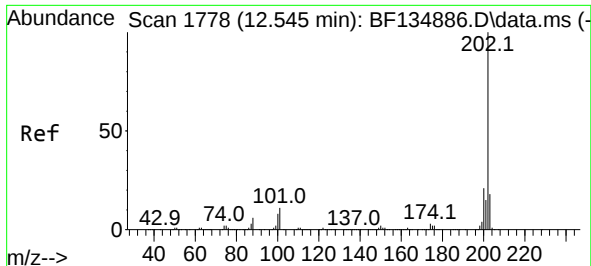


#73
 Carbazole
 Concen: 2.149 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.012 min
 Lab File: BF134944.D
 Acq: 25 Aug 2023 16:57



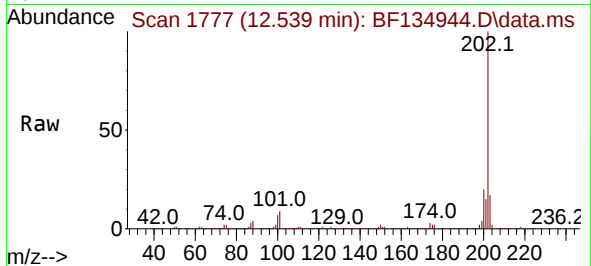
Tgt Ion:167 Resp: 24054
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.4 26.2
 139 13.3 10.4 15.6





#75
Fluoranthene
Concen: 31.176 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

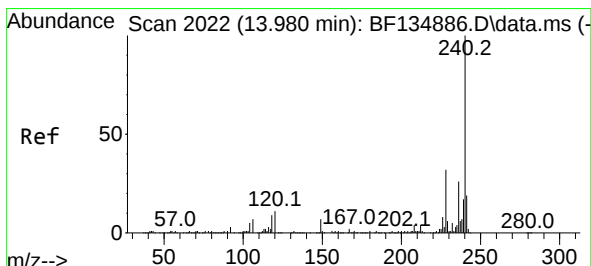
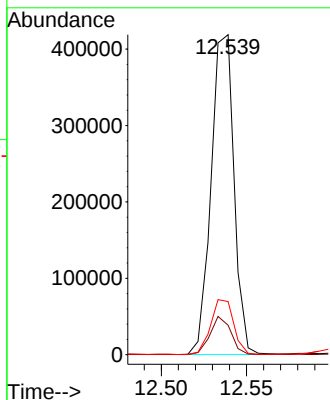
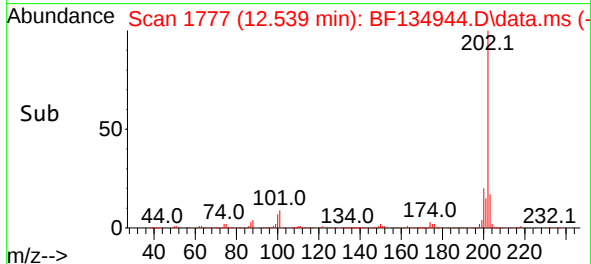
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)



Tgt Ion:202 Resp: 391550
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.5
203 16.6 0.0 37.8

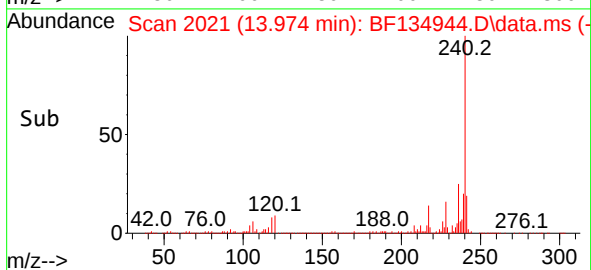
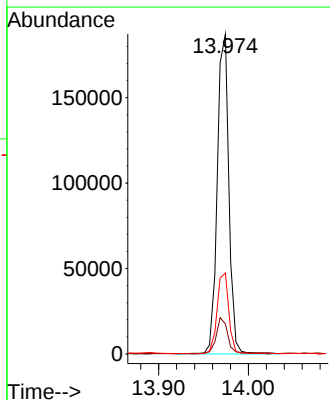
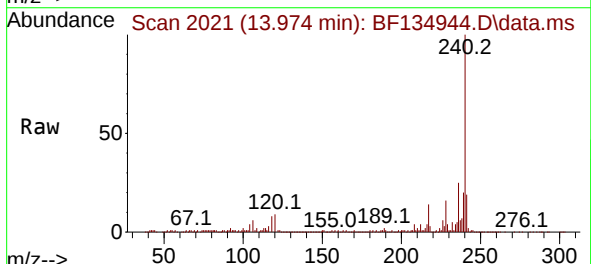
Manual Integrations
APPROVED

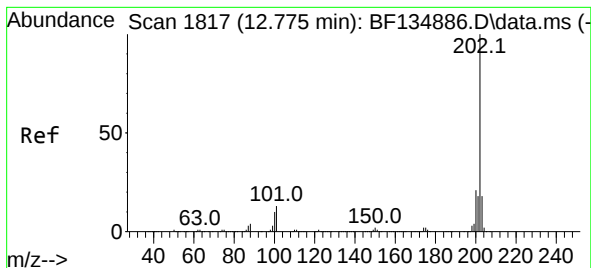
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion:240 Resp: 168520
Ion Ratio Lower Upper
240 100
120 9.4 8.6 12.8
236 25.3 20.6 31.0





#78

Pyrene

Concen: 19.777 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

Tgt Ion:202 Resp: 353374

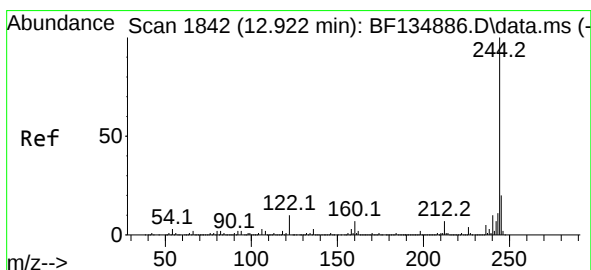
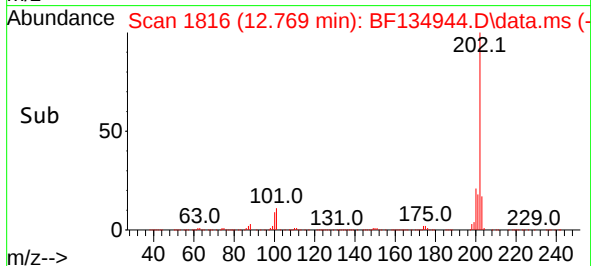
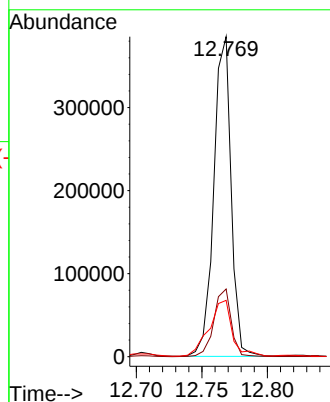
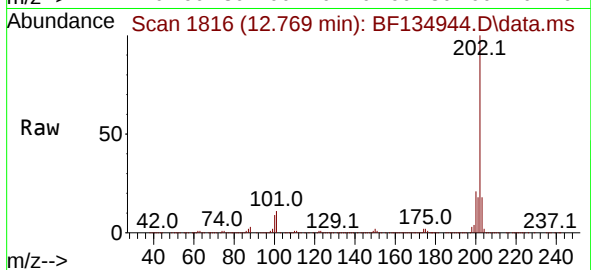
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.6	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#79

Terphenyl-d14

Concen: 50.172 ng

RT: 12.916 min Scan# 1841

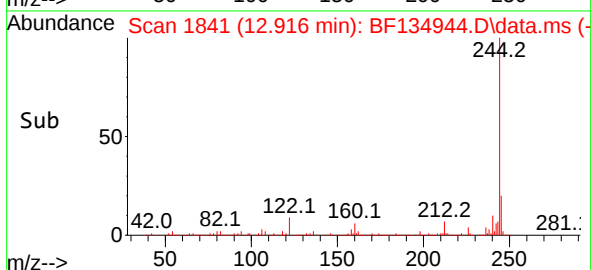
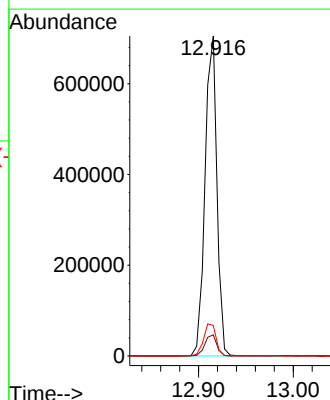
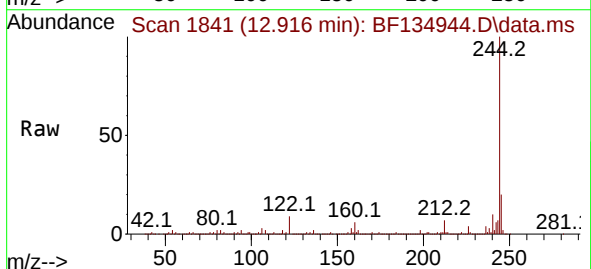
Delta R.T. -0.006 min

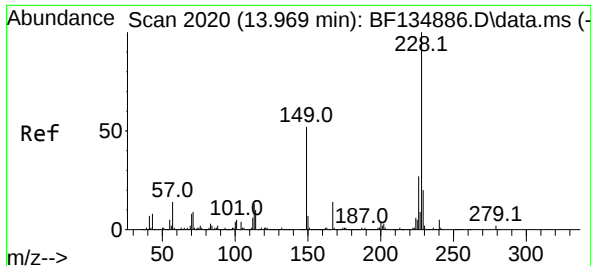
Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Tgt Ion:244 Resp: 614732

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.5	8.2	12.4





#81
Benzo(a)anthracene
Concen: 17.367 ng
RT: 13.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

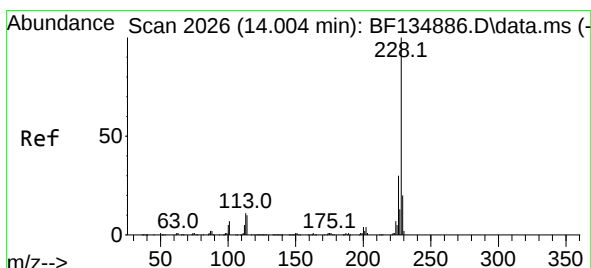
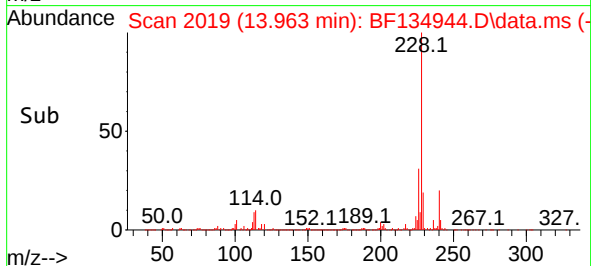
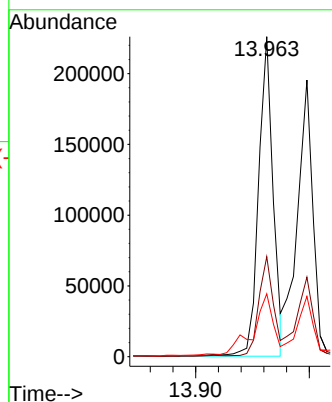
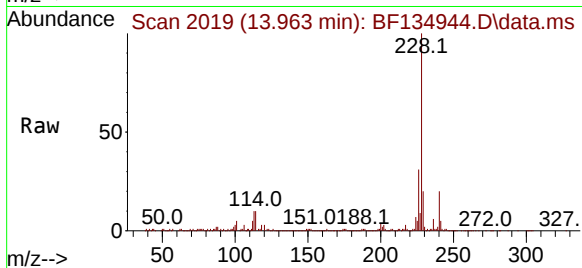
SS-TP-19(0-1)

Tgt Ion:228 Resp: 199679
Ion Ratio Lower Upper
228 100
226 31.2 21.8 32.6
229 19.6 15.6 23.4

Manual Integrations

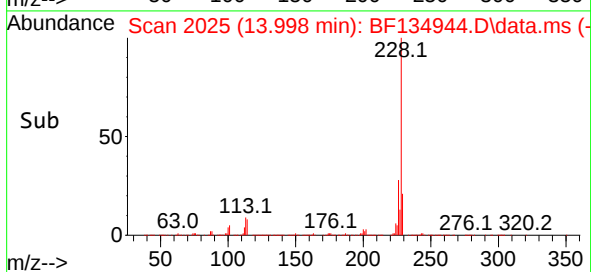
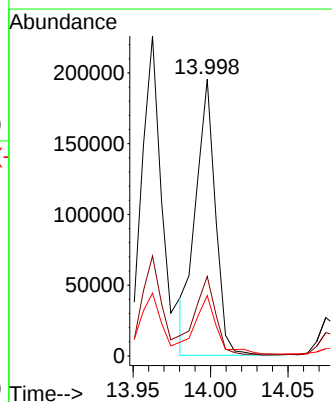
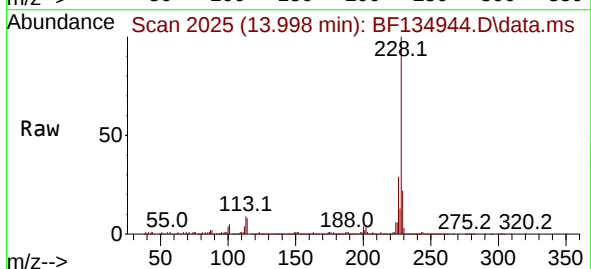
APPROVED

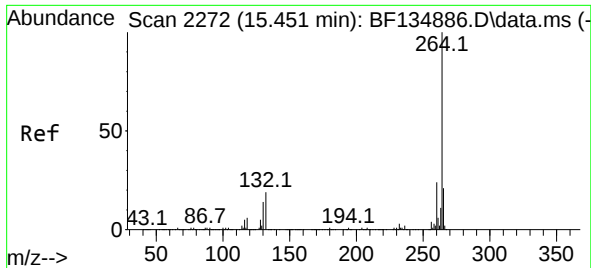
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#83
Chrysene
Concen: 15.346 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Tgt Ion:228 Resp: 174087
Ion Ratio Lower Upper
228 100
226 28.7 24.2 36.2
229 21.8 16.0 24.0





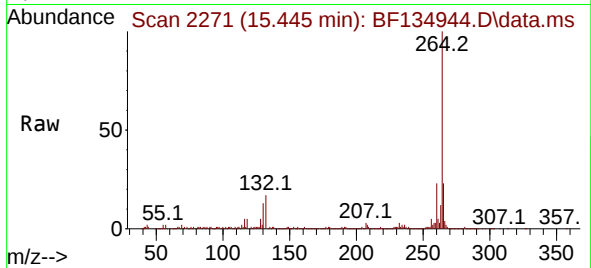
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)



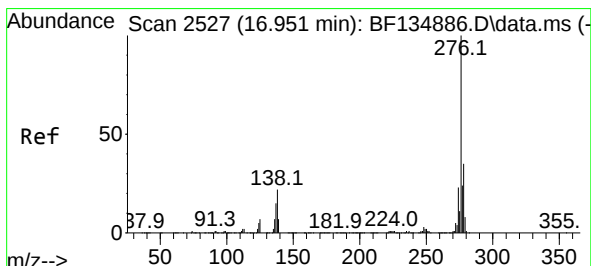
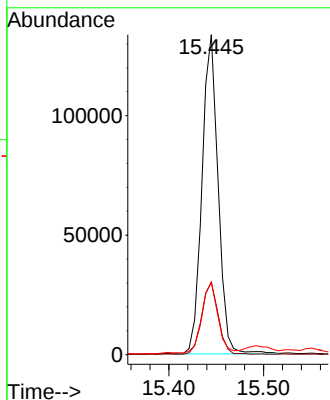
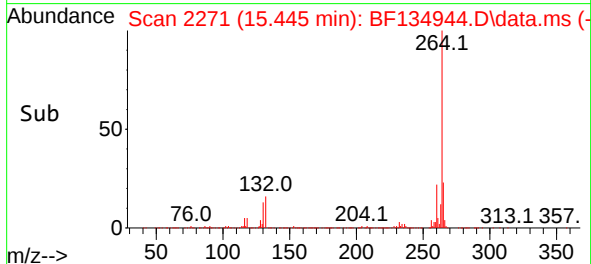
Tgt Ion:264 Resp: 157769
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 22.7 17.1 25.7

Manual Integrations

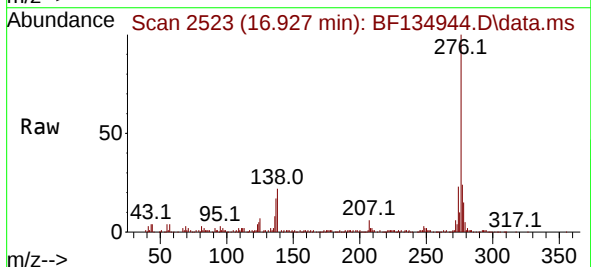
APPROVED

Reviewed By :Yogesh Patel 08/26/2023

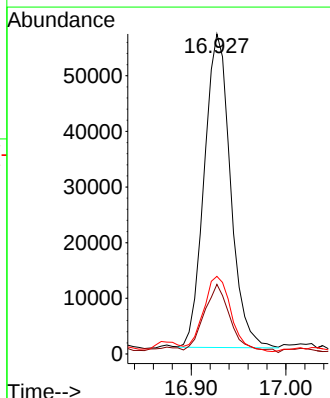
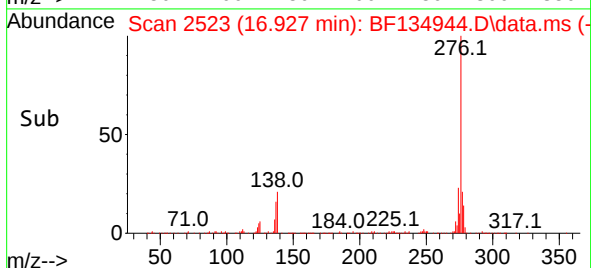
Supervised By :mohammad ahmed 08/26/2023

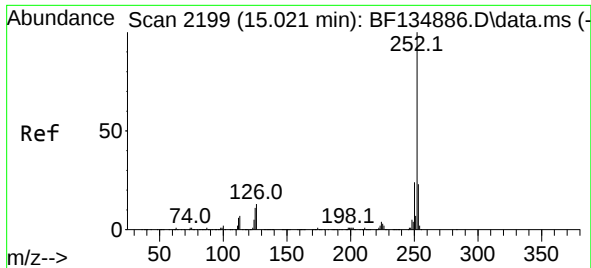


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.613 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.024 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57



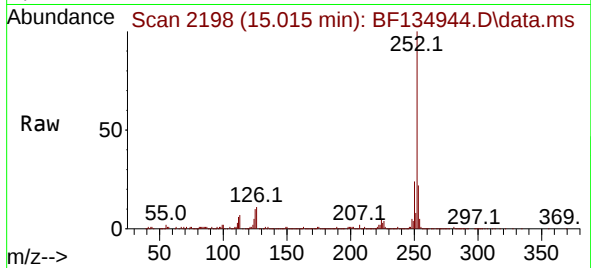
Tgt Ion:276 Resp: 108410
Ion Ratio Lower Upper
276 100
138 22.2 19.7 29.5
277 25.2 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 29.483 ng m
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57

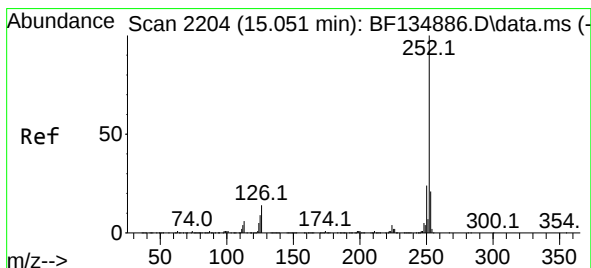
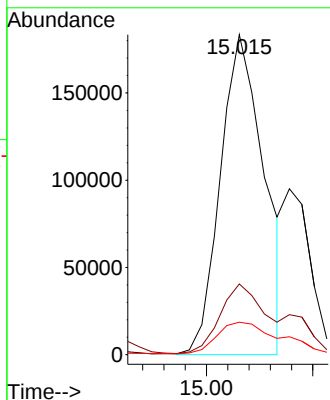
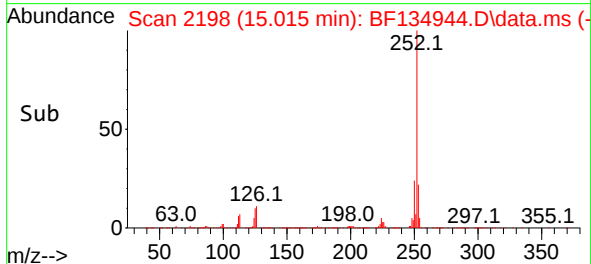
Instrument :
BNA_F
ClientSampleId :
SS-TP-19(0-1)



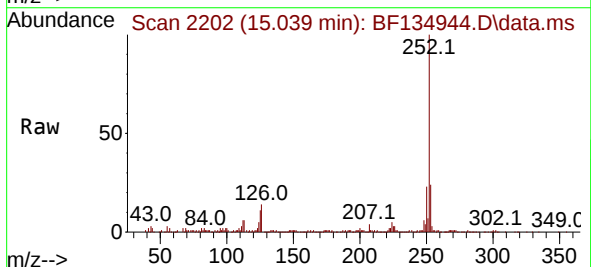
Tgt Ion:252 Resp: 262430
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 10.1 8.4 12.6

Manual Integrations
APPROVED

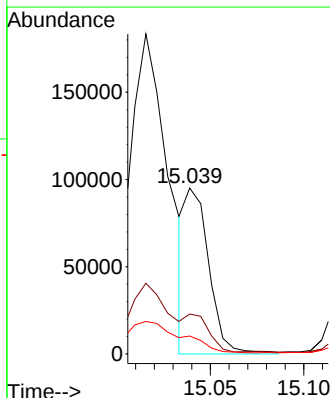
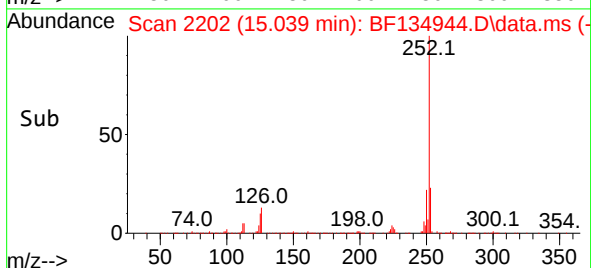
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

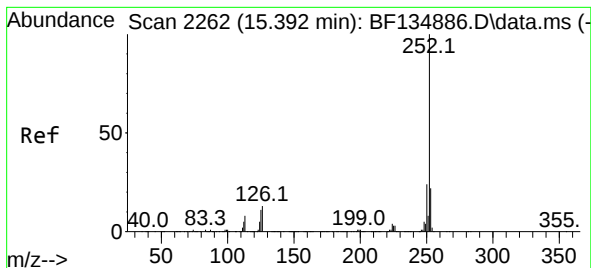


#89
Benzo(k)fluoranthene
Concen: 9.621 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF134944.D
Acq: 25 Aug 2023 16:57



Tgt Ion:252 Resp: 84097
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 10.8 8.0 12.0





#90

Benzo(a)pyrene

Concen: 21.037 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)

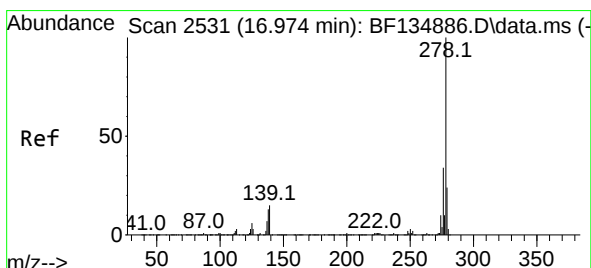
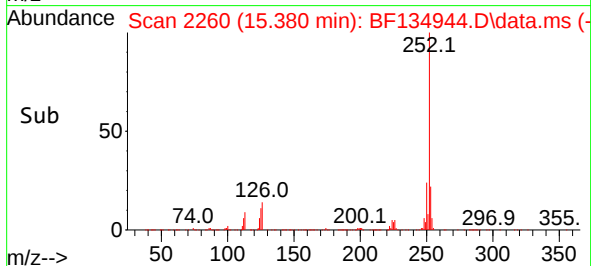
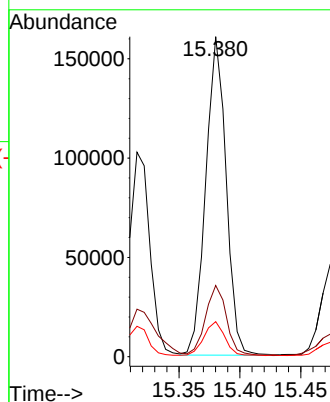
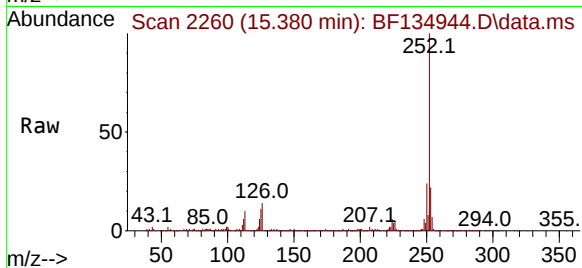
Tgt Ion:252 Resp: 186935
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.6 26.4
 125 11.0 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.790 ng m

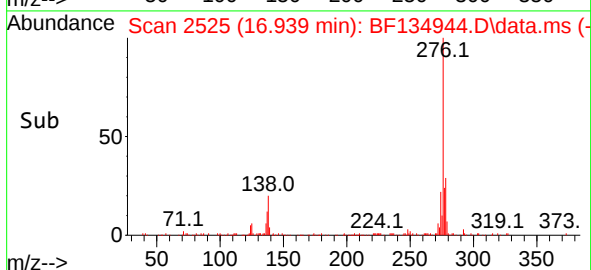
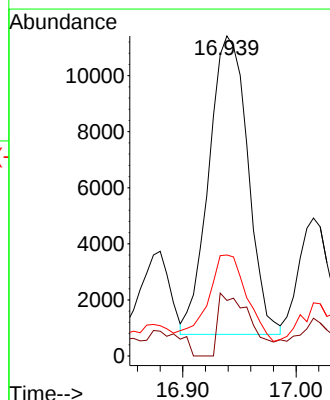
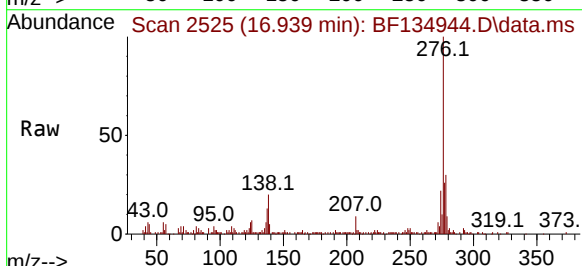
RT: 16.939 min Scan# 2525

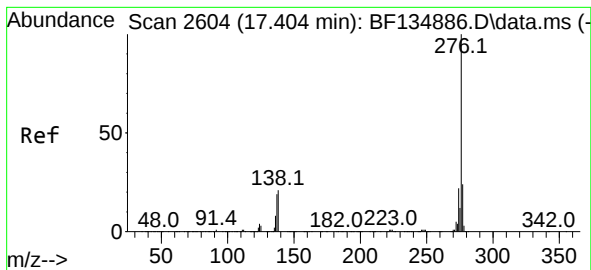
Delta R.T. -0.035 min

Lab File: BF134944.D

Acq: 25 Aug 2023 16:57

Tgt Ion:278 Resp: 25454
 Ion Ratio Lower Upper
 278 100
 139 17.4 12.2 18.4
 279 31.5 19.1 28.7#





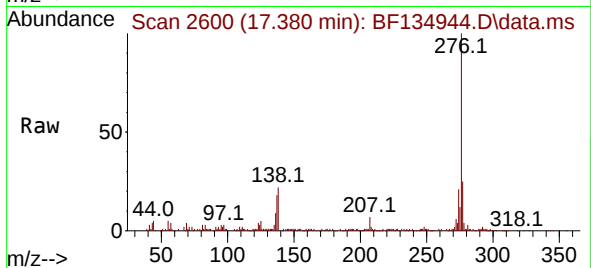
#92
 Benzo(g,h,i)perylene
 Concen: 11.153 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF134944.D
 Acq: 25 Aug 2023 16:57

Instrument :

BNA_F

ClientSampleId :

SS-TP-19(0-1)



Tgt Ion:276 Resp: 104175
 Ion Ratio Lower Upper
 276 100
 277 25.1 19.2 28.8
 138 21.5 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023

