

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
 Data File : BF134904.D
 Acq On : 23 Aug 2023 15:02
 Operator : CG\JU
 Sample : 04089-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-3-081823

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/24/2023
 Supervised By :mohammad ahmed 08/24/2023

Quant Time: Aug 23 15:20:29 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	6.792	152	123586	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	417909	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	179501	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	350432	20.000	ng	0.00
76) Chrysene-d12	13.980	240	360146	20.000	ng	0.00
86) Perylene-d12	15.457	264	306785	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	241915	31.215	ng	0.00
7) Phenol-d6	6.422	99	271122	27.378	ng	-0.02
23) Nitrobenzene-d5	7.351	82	159491	21.030	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	60202	28.477	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	266719	22.970	ng	-0.01
79) Terphenyl-d14	12.921	244	365291	13.951	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.686	152	50985	3.128	ng	97
71) Phenanthrene	11.345	178	146855	7.997	ng	99
72) Anthracene	11.398	178	38709	2.057	ng	100
75) Fluoranthene	12.545	202	170062	9.774	ng	98
78) Pyrene	12.774	202	376238	9.853	ng	100
81) Benzo(a)anthracene	13.968	228	145621m	5.926	ng	
83) Chrysene	14.004	228	150245	6.197	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	53370	2.434	ng	97
88) Benzo(b)fluoranthene	15.021	252	149400m	8.632	ng	
89) Benzo(k)fluoranthene	15.045	252	50492m	2.971	ng	
90) Benzo(a)pyrene	15.386	252	129807	7.512	ng	# 96
92) Benzo(g,h,i)perylene	17.392	276	61045	3.361	ng	96

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

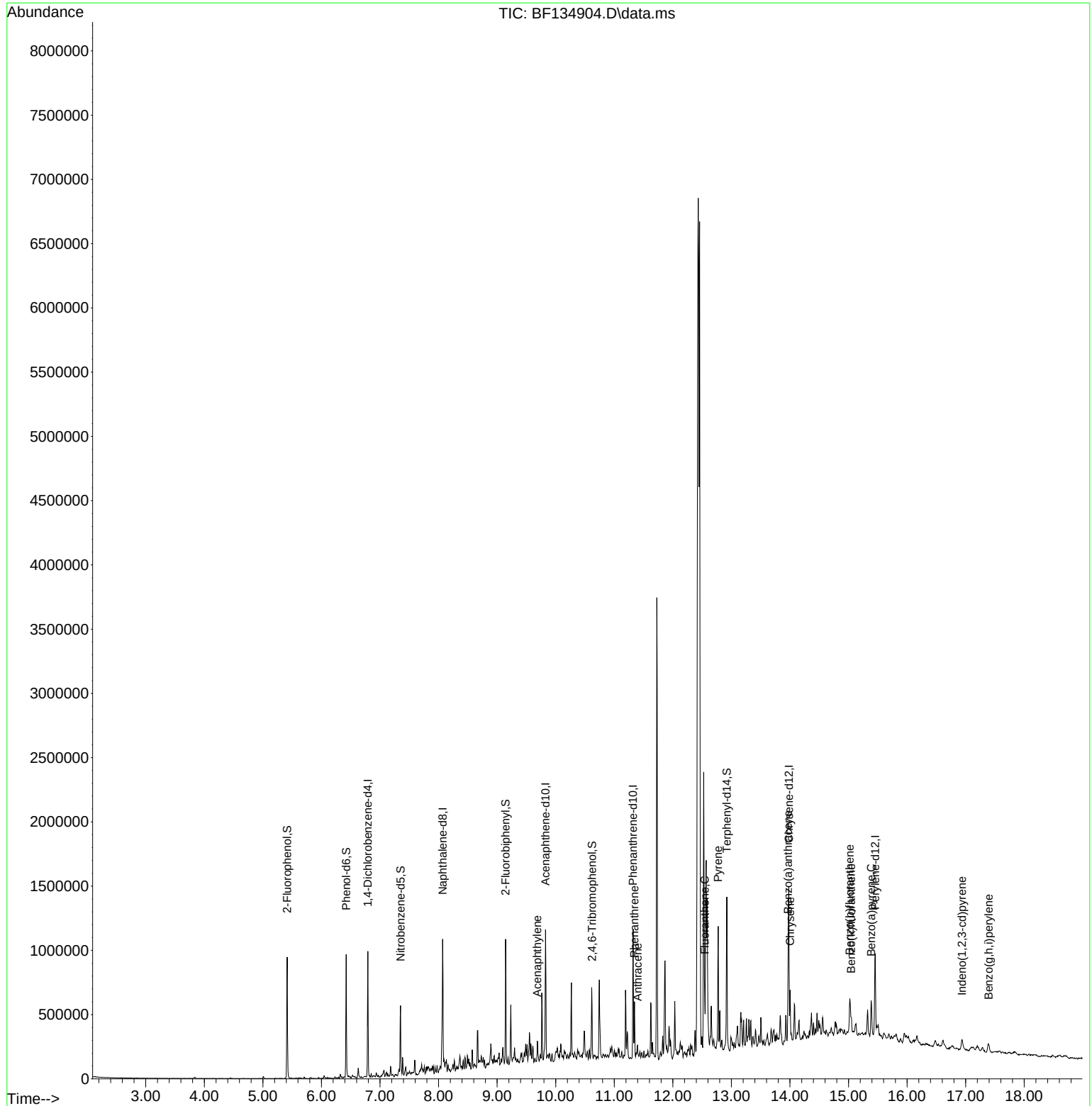
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
Data File : BF134904.D
Acq On : 23 Aug 2023 15:02
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Misc :
ALS Vial : 13 Sample Multiplier: 1

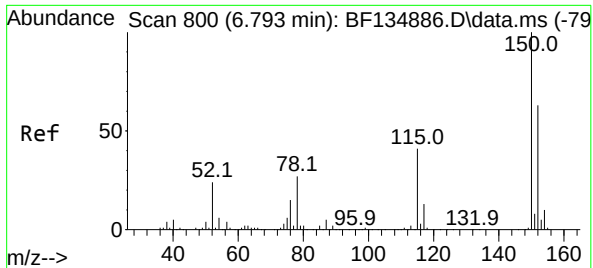
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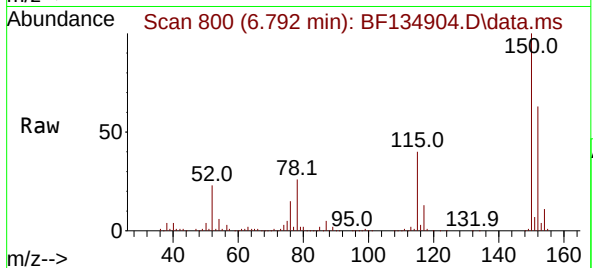
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

Instrument :

BNA_F

ClientSampleId :

BU-3-081823

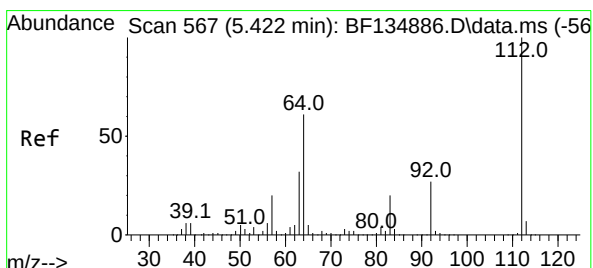
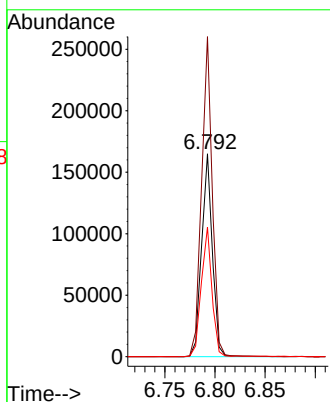
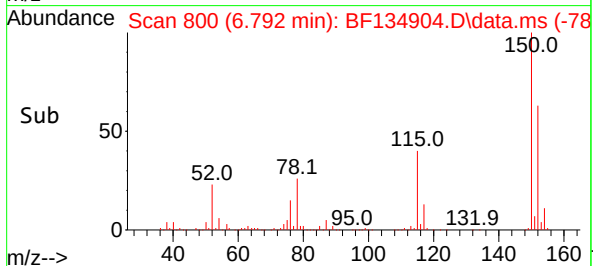


Tgt Ion:152 Resp: 123580
Ion Ratio Lower Upper
152 100
150 157.7 126.1 189.1
115 63.9 51.1 76.7

Manual Integrations

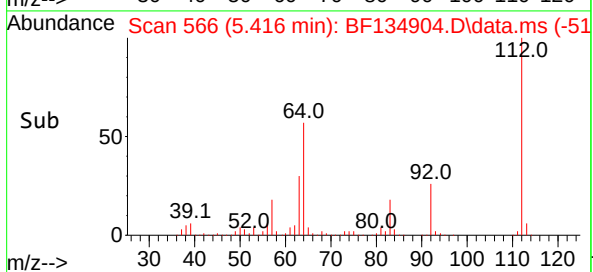
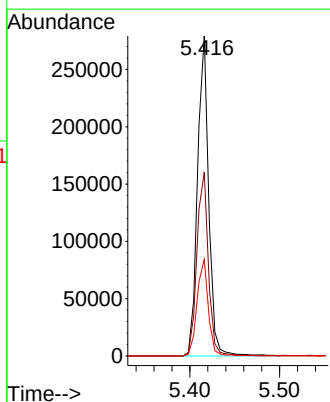
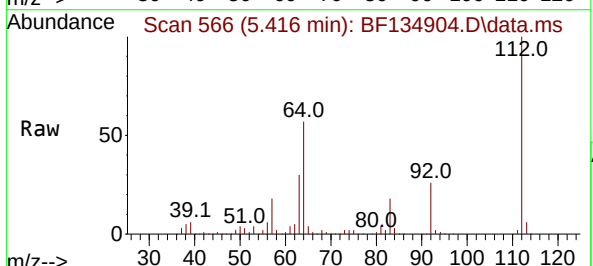
APPROVED

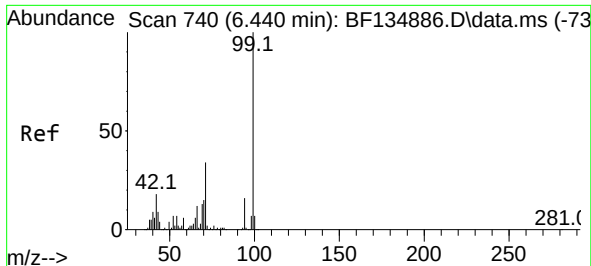
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#5
2-Fluorophenol
Concen: 31.215 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

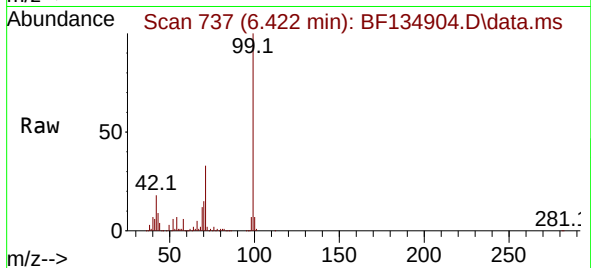
Tgt Ion:112 Resp: 241915
Ion Ratio Lower Upper
112 100
64 57.4 48.6 73.0
63 30.2 25.7 38.5





#7
Phenol-d6
Concen: 27.378 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

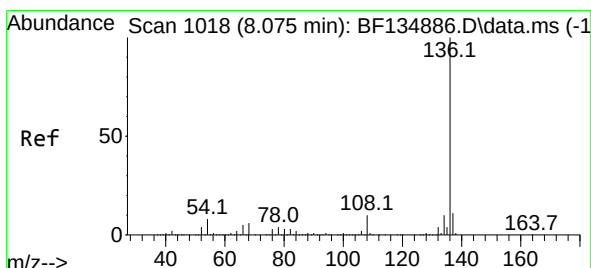
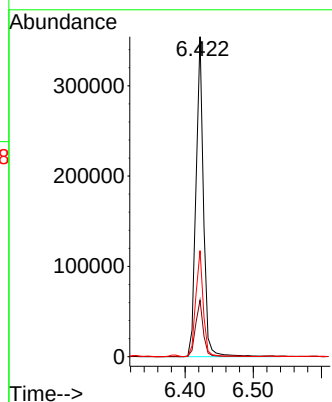
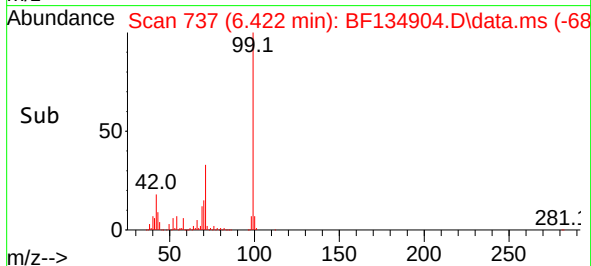
Instrument :
BNA_F
ClientSampleId :
BU-3-081823



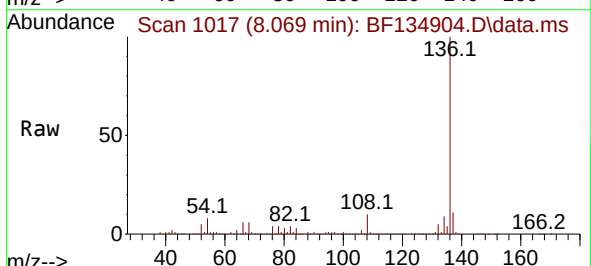
Tgt Ion: 99 Resp: 27112
Ion Ratio Lower Upper
99 100
42 17.7 14.6 22.0
71 33.1 27.6 41.4

Manual Integrations
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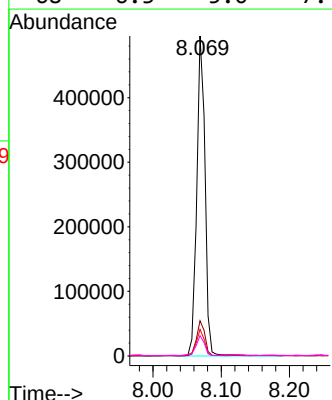
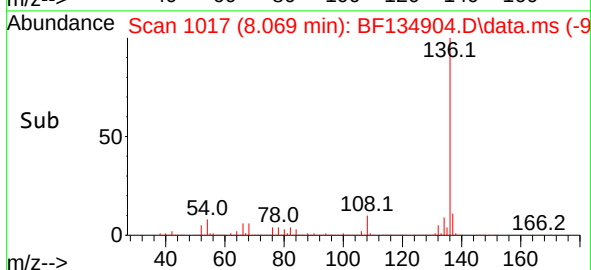
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

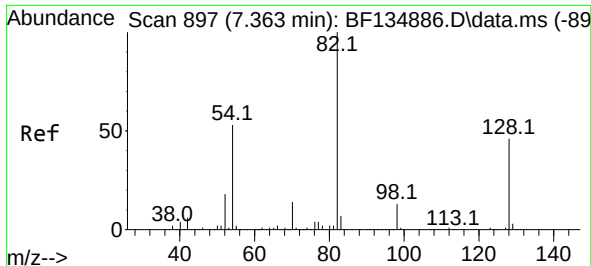


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02



Tgt Ion:136 Resp: 417909
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.3 6.6 9.8
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 21.030 ng

RT: 7.351 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF134904.D

Acq: 23 Aug 2023 15:02

Instrument :

BNA_F

ClientSampleId :

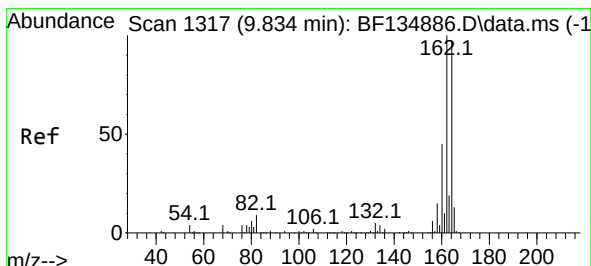
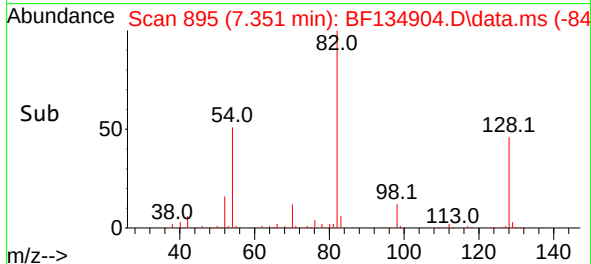
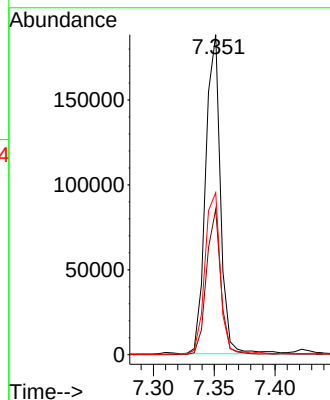
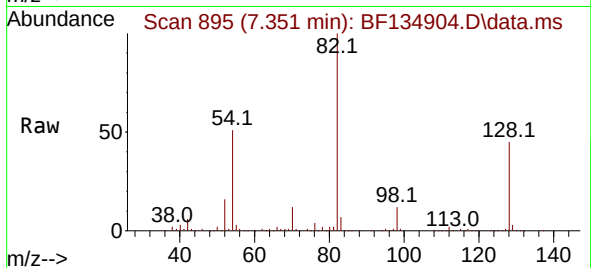
BU-3-081823

Tgt Ion: 82 Resp: 15949

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.6	54.8
54	50.6	42.6	63.8

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Supervised By :mohammad ahmed 08/24/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

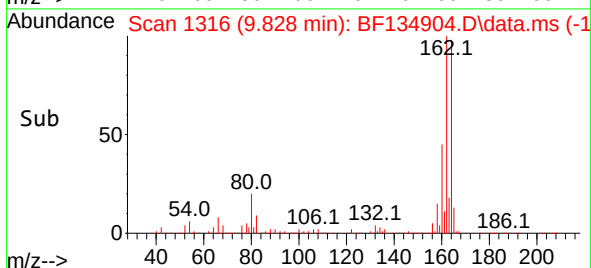
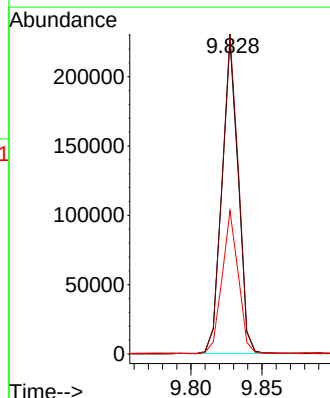
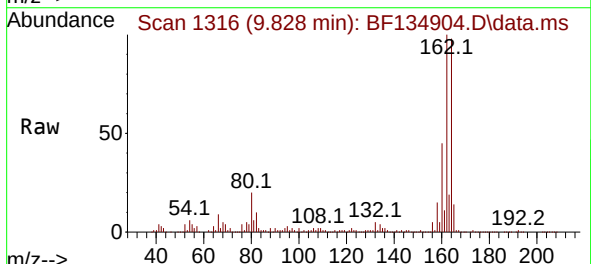
Delta R.T. -0.006 min

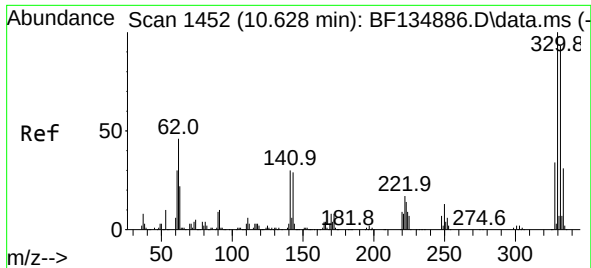
Lab File: BF134904.D

Acq: 23 Aug 2023 15:02

Tgt Ion:164 Resp: 179501

Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	45.7	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 28.477 ng
RT: 10.622 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

Instrument :

BNA_F

ClientSampleId :

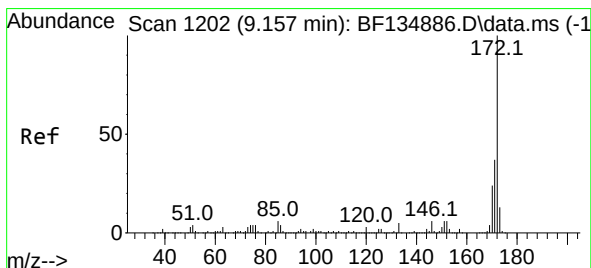
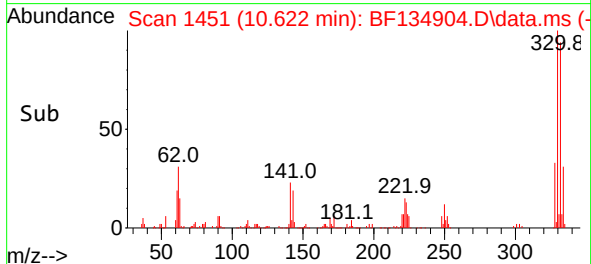
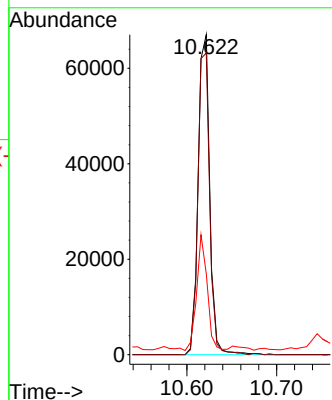
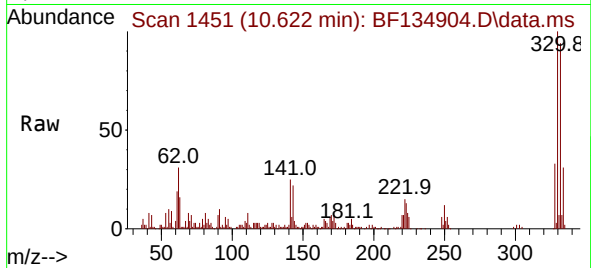
BU-3-081823

Tgt Ion: 330 Resp: 6020
Ion Ratio Lower Upper
330 100
332 95.6 76.3 114.5
141 32.9 23.4 35.2

Manual Integrations

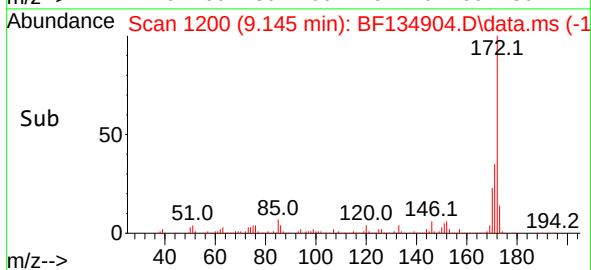
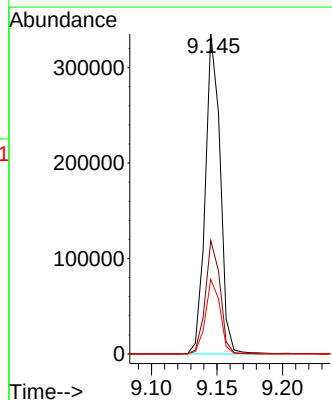
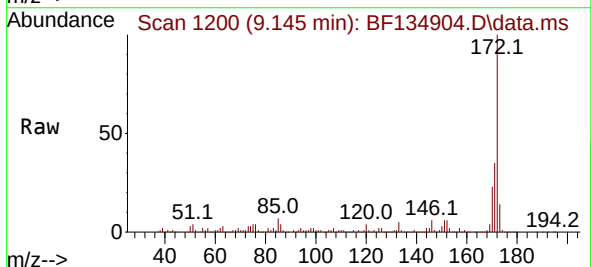
APPROVED

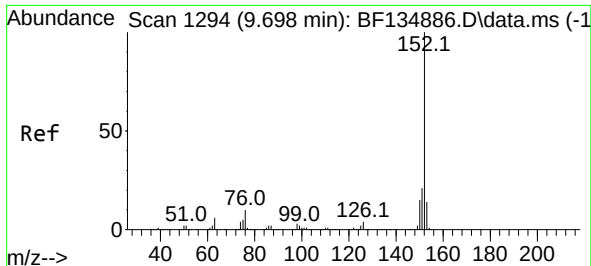
Reviewed By : Yogesh Patel 08/24/2023
Supervised By : mohammad ahmed 08/24/2023



#45
2-Fluorobiphenyl
Concen: 22.970 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

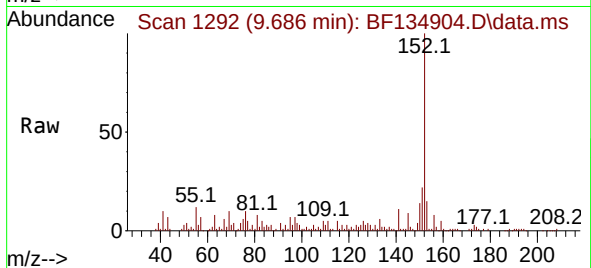
Tgt Ion: 172 Resp: 266719
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.3 19.6 29.4





#49
Acenaphthylene
Concen: 3.128 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

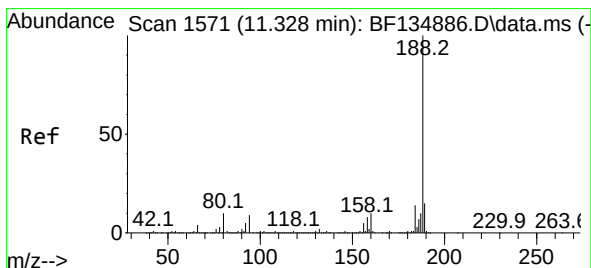
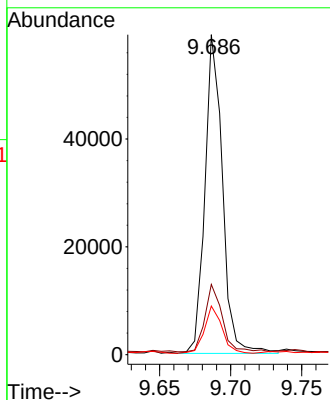
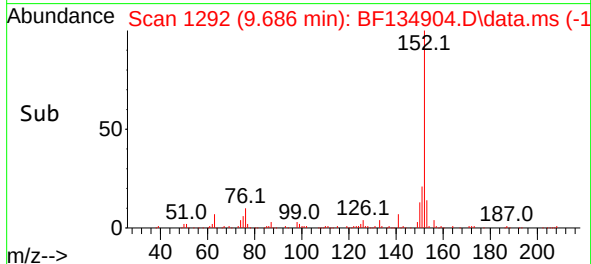
Instrument :
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ClientSampleId :
BU-3-081823



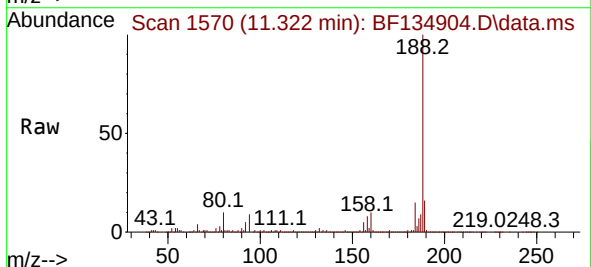
Tgt Ion:152 Resp: 5098
Ion Ratio Lower Upper
152 100
151 21.9 16.5 24.7
153 15.2 11.3 16.9

Manual Integrations
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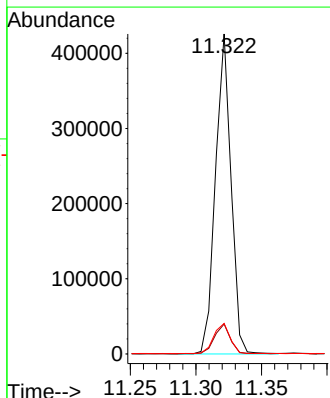
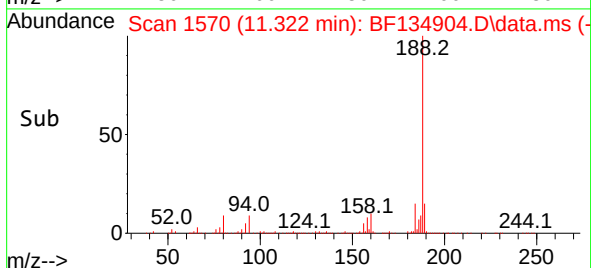
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

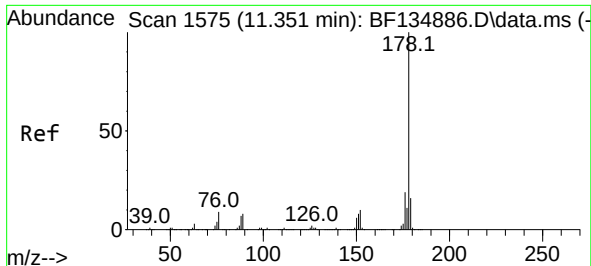


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02



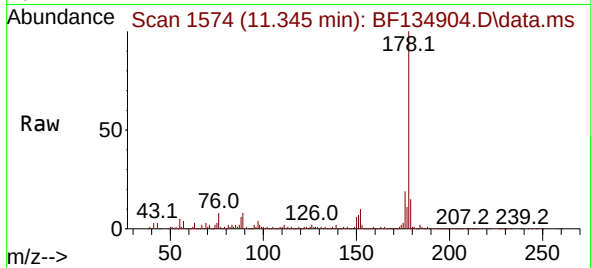
Tgt Ion:188 Resp: 350432
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 9.5 7.8 11.6





#71
Phenanthrene
Concen: 7.997 ng
RT: 11.345 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

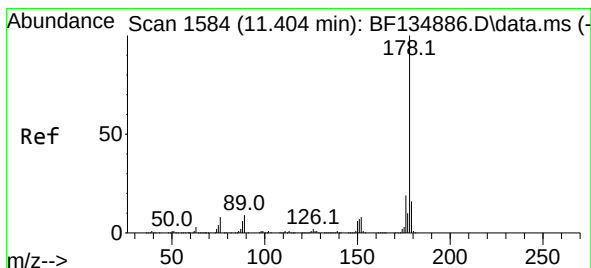
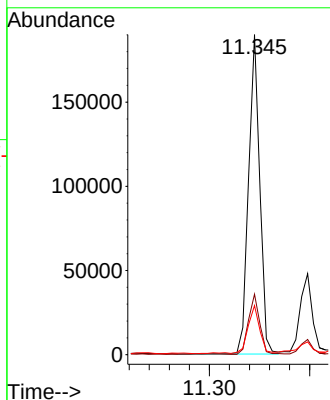
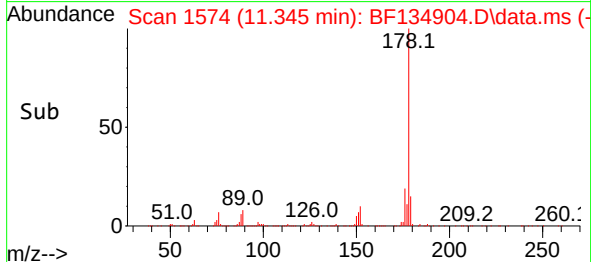
Instrument :
BNA_F
ClientSampleId :
BU-3-081823



Tgt Ion:178 Resp: 14685
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.4 12.6 19.0

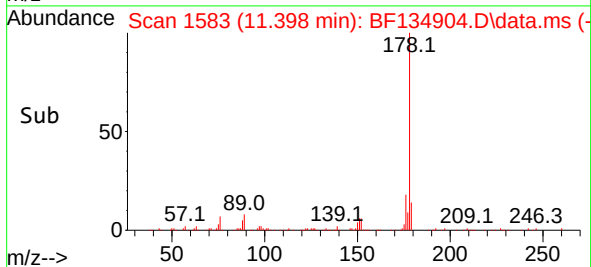
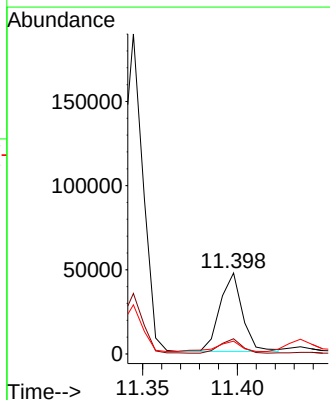
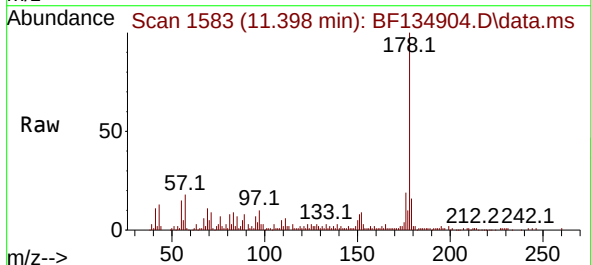
Manual Integrations
APPROVED

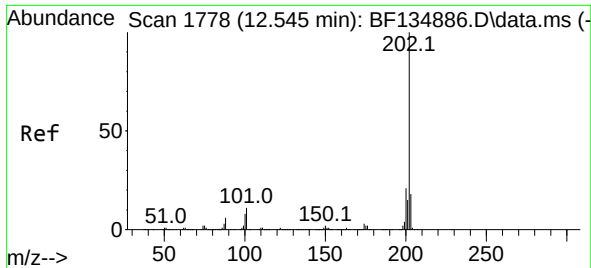
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#72
Anthracene
Concen: 2.057 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

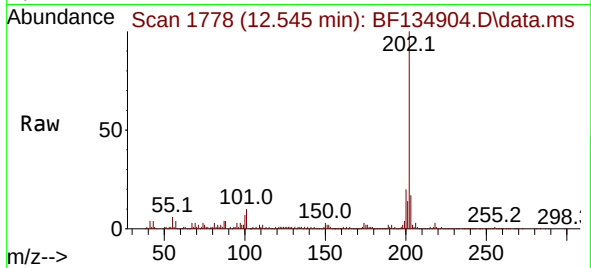
Tgt Ion:178 Resp: 38709
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.8 12.5 18.7





#75
Fluoranthene
Concen: 9.774 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

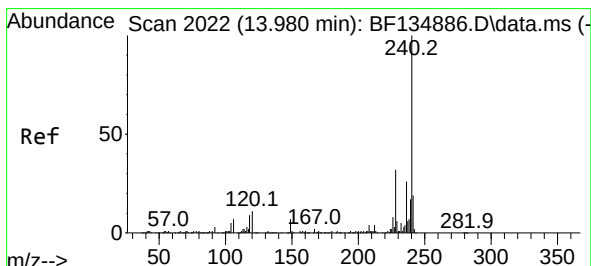
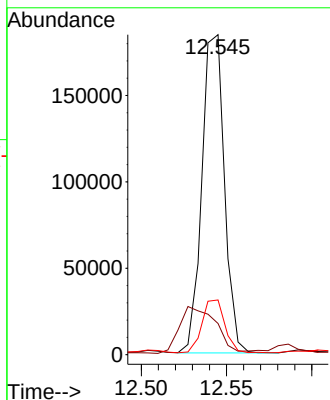
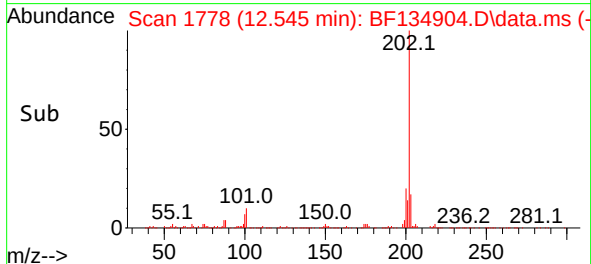
Instrument :
BNA_F
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BU-3-081823



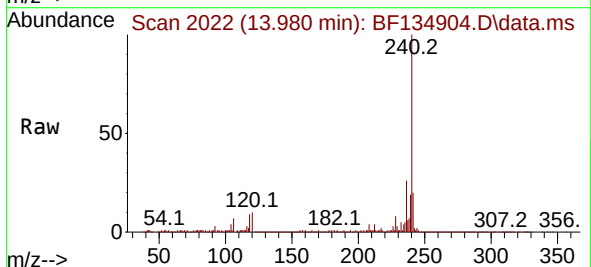
Tgt Ion:202 Resp: 170062
Ion Ratio Lower Upper
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101 9.7 0.0 30.5
203 17.1 0.0 37.8

Manual Integrations
APPROVED

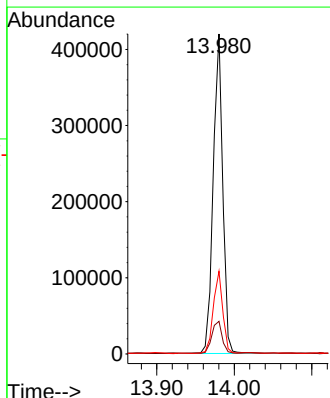
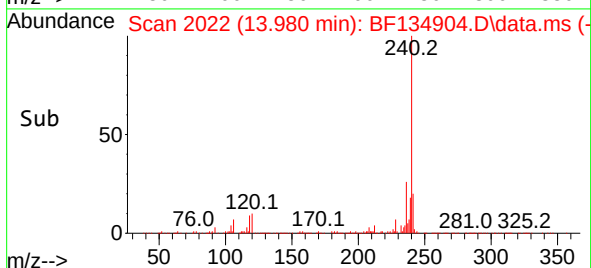
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

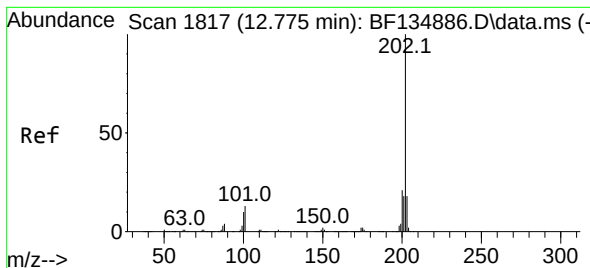


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02



Tgt Ion:240 Resp: 360146
Ion Ratio Lower Upper
240 100
120 10.2 8.6 12.8
236 25.9 20.6 31.0





#78

Pyrene

Concen: 9.853 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.000 min

Lab File: BF134904.D

Acq: 23 Aug 2023 15:02

Instrument :

BNA_F

ClientSampleId :

BU-3-081823

Tgt Ion:202 Resp: 376238

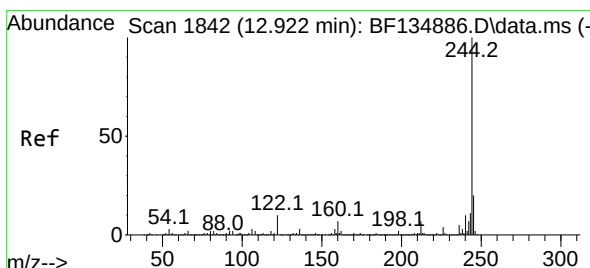
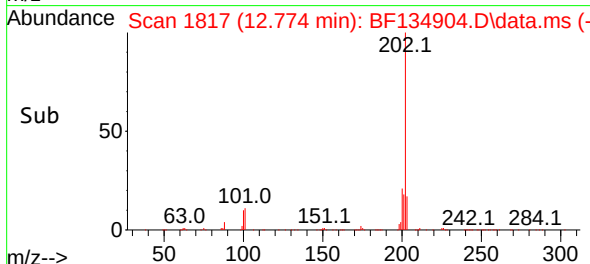
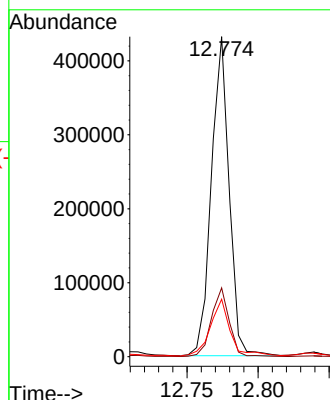
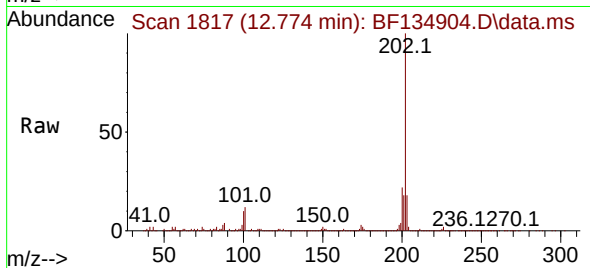
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	17.9	14.2	21.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/24/2023

Supervised By :mohammad ahmed 08/24/2023



#79

Terphenyl-d14

Concen: 13.951 ng

RT: 12.921 min Scan# 1842

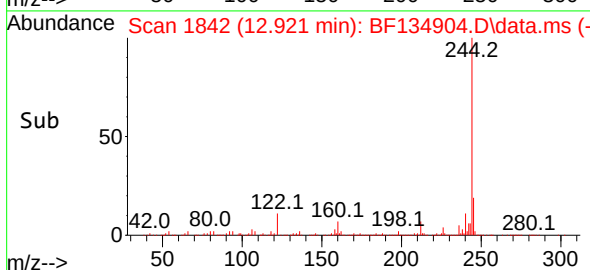
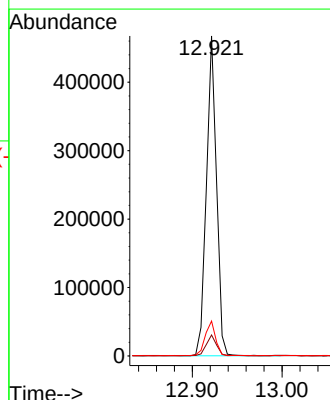
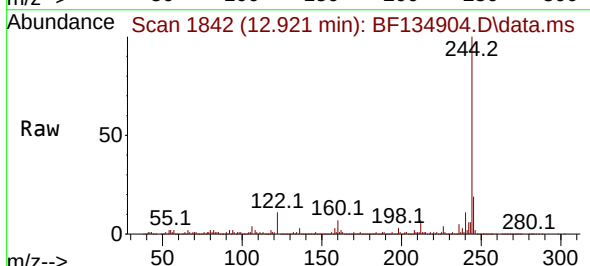
Delta R.T. -0.001 min

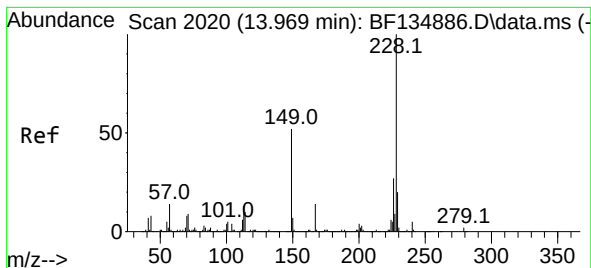
Lab File: BF134904.D

Acq: 23 Aug 2023 15:02

Tgt Ion:244 Resp: 365291

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.9	8.2	12.4





#81

Benzo(a)anthracene

Concen: 5.926 ng m

RT: 13.968 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF134904.D

Acq: 23 Aug 2023 15:02

Instrument :

BNA_F

ClientSampleId :

BU-3-081823

Tgt Ion:228 Resp: 14562

Ion Ratio Lower Upper

228 100

226 36.2 21.8 32.6

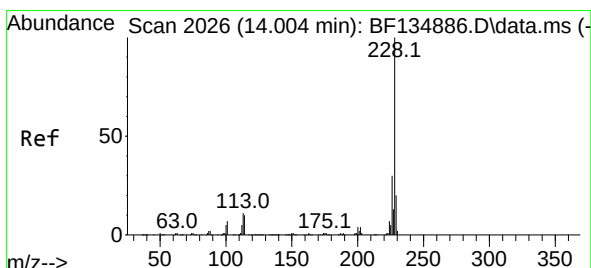
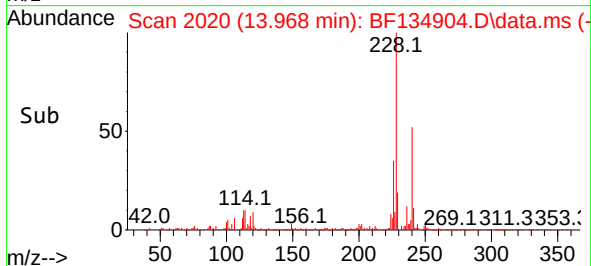
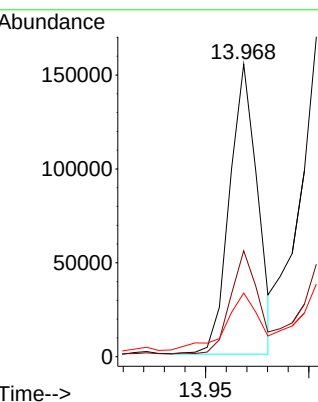
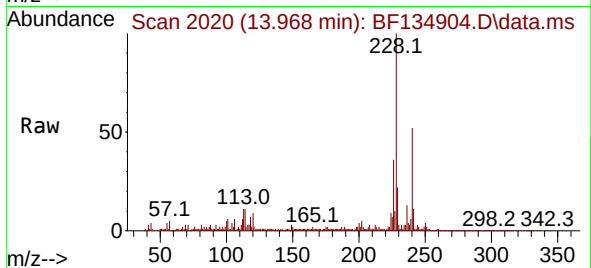
229 21.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2023

Supervised By :mohammad ahmed 08/24/2023



#83

Chrysene

Concen: 6.197 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF134904.D

Acq: 23 Aug 2023 15:02

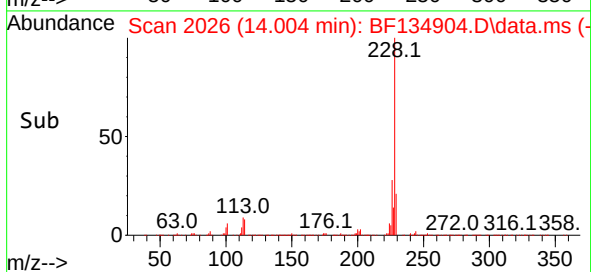
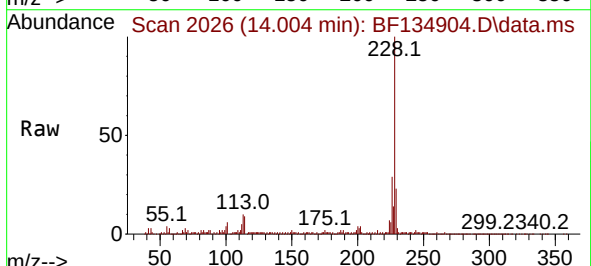
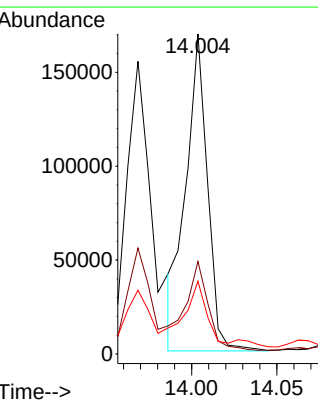
Tgt Ion:228 Resp: 150245

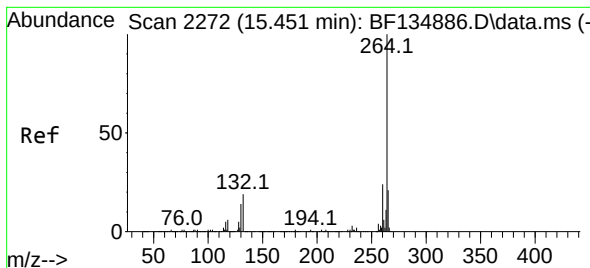
Ion Ratio Lower Upper

228 100

226 28.9 24.2 36.2

229 22.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134904.D

Acq: 23 Aug 2023 15:02

Instrument :

BNA_F

ClientSampleId :

BU-3-081823

Tgt Ion:264 Resp: 30678

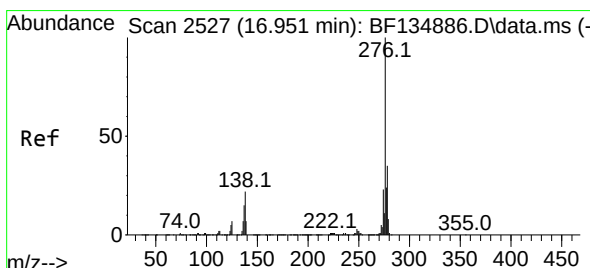
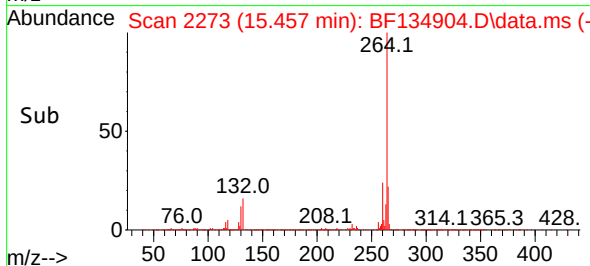
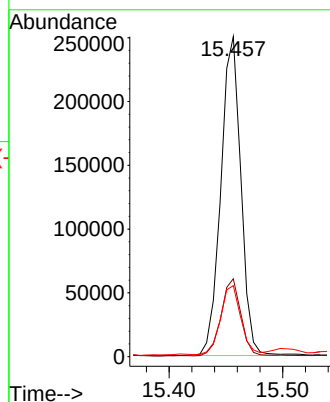
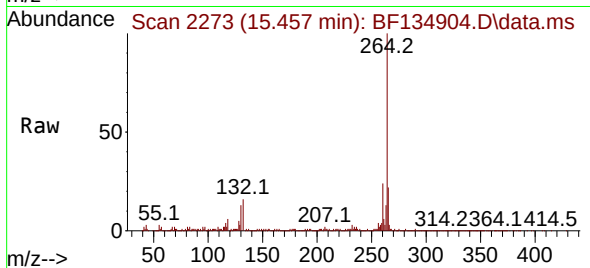
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	22.2	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2023

Supervised By :mohammad ahmed 08/24/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.434 ng

RT: 16.939 min Scan# 2525

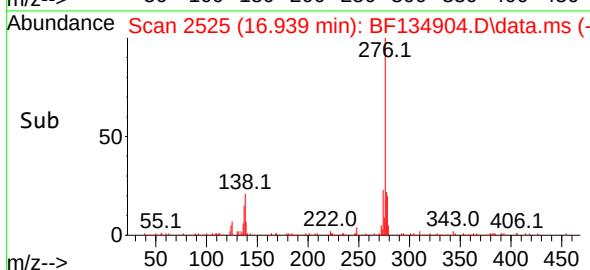
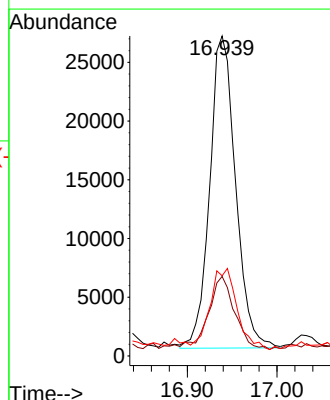
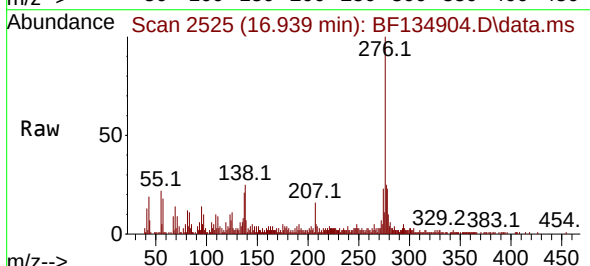
Delta R.T. -0.012 min

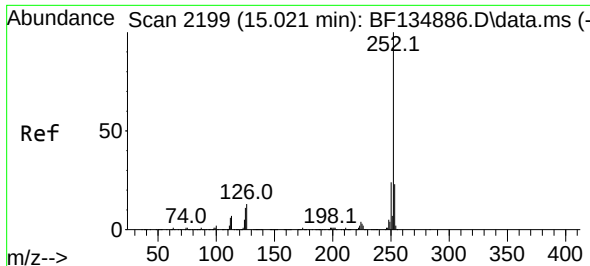
Lab File: BF134904.D

Acq: 23 Aug 2023 15:02

Tgt Ion:276 Resp: 53370

Ion	Ratio	Lower	Upper
276	100		
138	24.1	19.7	29.5
277	27.1	20.1	30.1





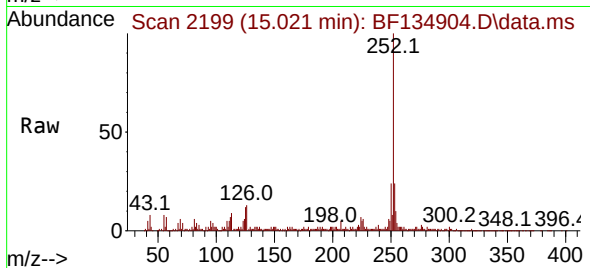
#88
Benzo(b)fluoranthene
Concen: 8.632 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

Instrument :

BNA_F

ClientSampleId :

BU-3-081823



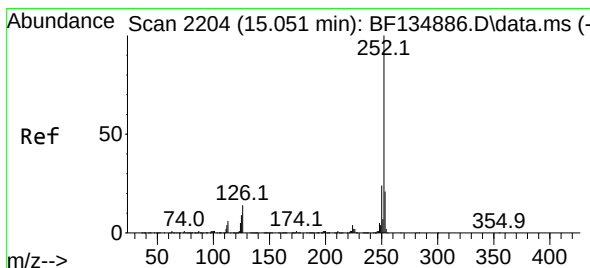
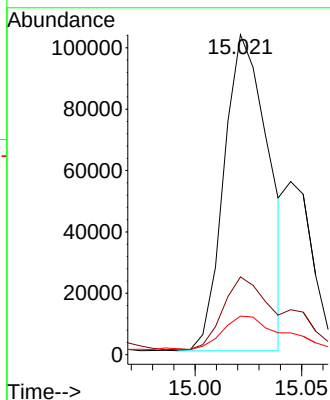
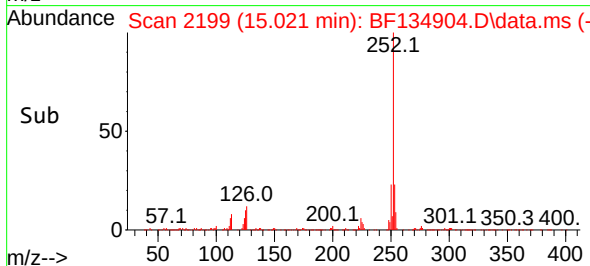
Tgt Ion:252 Resp: 149400
Ion Ratio Lower Upper
252 100
253 24.3 18.1 27.1
125 12.0 8.4 12.6

Manual Integrations

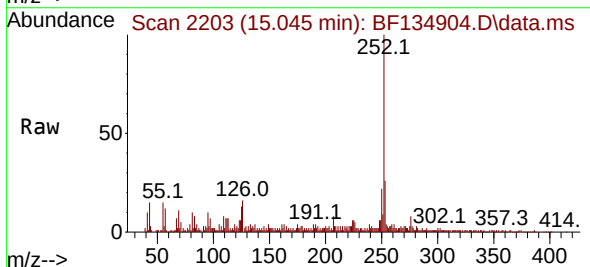
APPROVED

Reviewed By :Yogesh Patel 08/24/2023

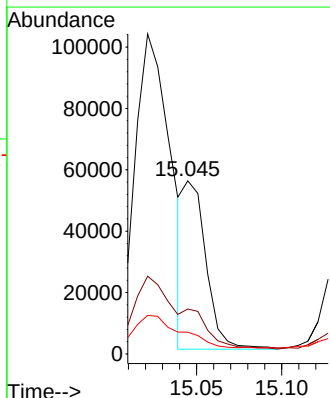
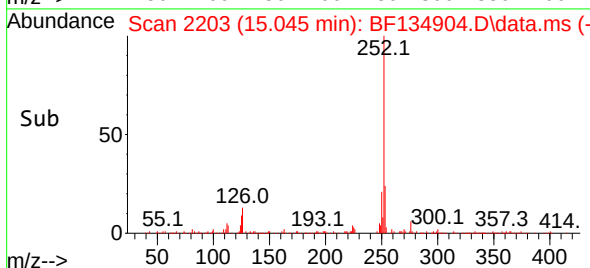
Supervised By :mohammad ahmed 08/24/2023

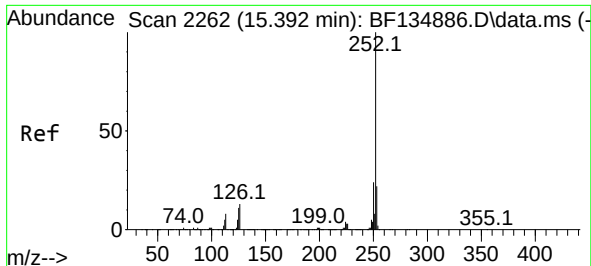


#89
Benzo(k)fluoranthene
Concen: 2.971 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02



Tgt Ion:252 Resp: 50492
Ion Ratio Lower Upper
252 100
253 26.0 17.1 25.7#
125 12.5 8.0 12.0#





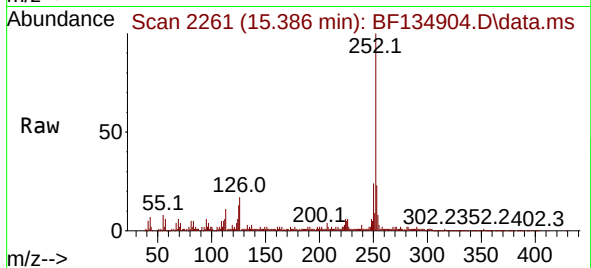
#90
Benzo(a)pyrene
Concen: 7.512 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02

Instrument :

BNA_F

ClientSampleId :

BU-3-081823

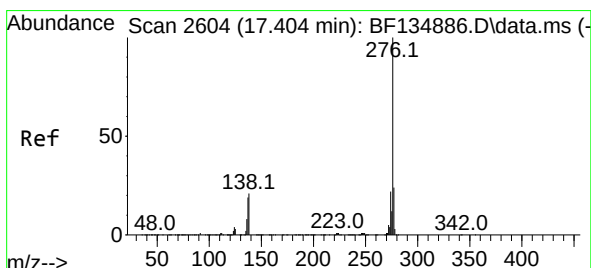
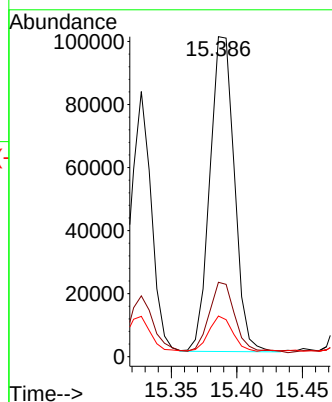
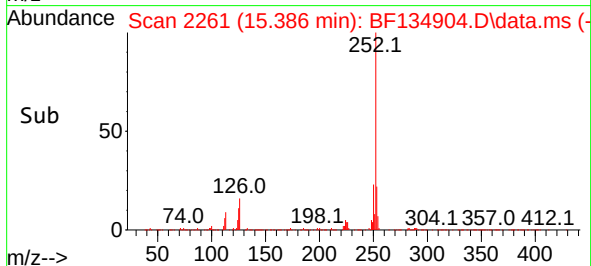


Tgt Ion:252 Resp: 12980
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.7 8.4 12.6

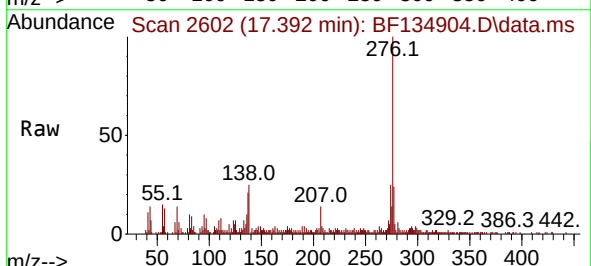
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#92
Benzo(g,h,i)perylene
Concen: 3.361 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.012 min
Lab File: BF134904.D
Acq: 23 Aug 2023 15:02



Tgt Ion:276 Resp: 61045
Ion Ratio Lower Upper
276 100
277 24.3 19.2 28.8
138 25.2 17.0 25.6

