

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
 Data File : BF134677.D
 Acq On : 08 Aug 2023 18:06
 Operator : CG\JU
 Sample : 03920-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-080723

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :mohammad ahmed 08/09/2023

Quant Time: Aug 09 02:19:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	177209	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	649512	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	284830	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	492171	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	308471	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	267388	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	995293	85.376	ng	0.00
7) Phenol-d6	6.440	99	1238287	83.095	ng	0.00
23) Nitrobenzene-d5	7.363	82	700153	67.365	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	246814	85.004	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1141602	66.641	ng	0.00
79) Terphenyl-d14	12.921	244	1125178	64.302	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.098	128	658997	20.188	ng	99
37) 2-Methylnaphthalene	8.792	142	658786	30.447	ng	97
38) 1-Methylnaphthalene	8.892	142	628052	31.215	ng	98
46) 1,1'-Biphenyl	9.257	154	72111	3.256	ng	98
49) Acenaphthylene	9.692	152	185699	7.118	ng	# 92
52) Acenaphthene	9.869	154	980148	57.976	ng	99
55) Dibenzofuran	10.045	168	1001160	41.599	ng	92
58) Fluorene	10.386	166	1206066	68.801	ng	96
71) Phenanthrene	11.363	178	4047553	154.829	ng	98
72) Anthracene	11.410	178	1473767	55.191	ng	98
73) Carbazole	11.557	167	468571	19.653	ng	99
75) Fluoranthene	12.557	202	3664170	132.691	ng	97
78) Pyrene	12.786	202	3245109	121.574	ng	95
81) Benzo(a)anthracene	13.974	228	1341511	60.820	ng	97
83) Chrysene	14.010	228	1177334	54.787	ng	97
87) Indeno(1,2,3-cd)pyrene	16.957	276	346008	22.003	ng	# 94
88) Benzo(b)fluoranthene	15.027	252	955785m	58.609	ng	
89) Benzo(k)fluoranthene	15.051	252	314635m	19.368	ng	
90) Benzo(a)pyrene	15.398	252	705154	46.376	ng	# 93
91) Dibenzo(a,h)anthracene	16.968	278	87069	6.851	ng	# 74
92) Benzo(g,h,i)perylene	17.409	276	330270	25.476	ng	# 90

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

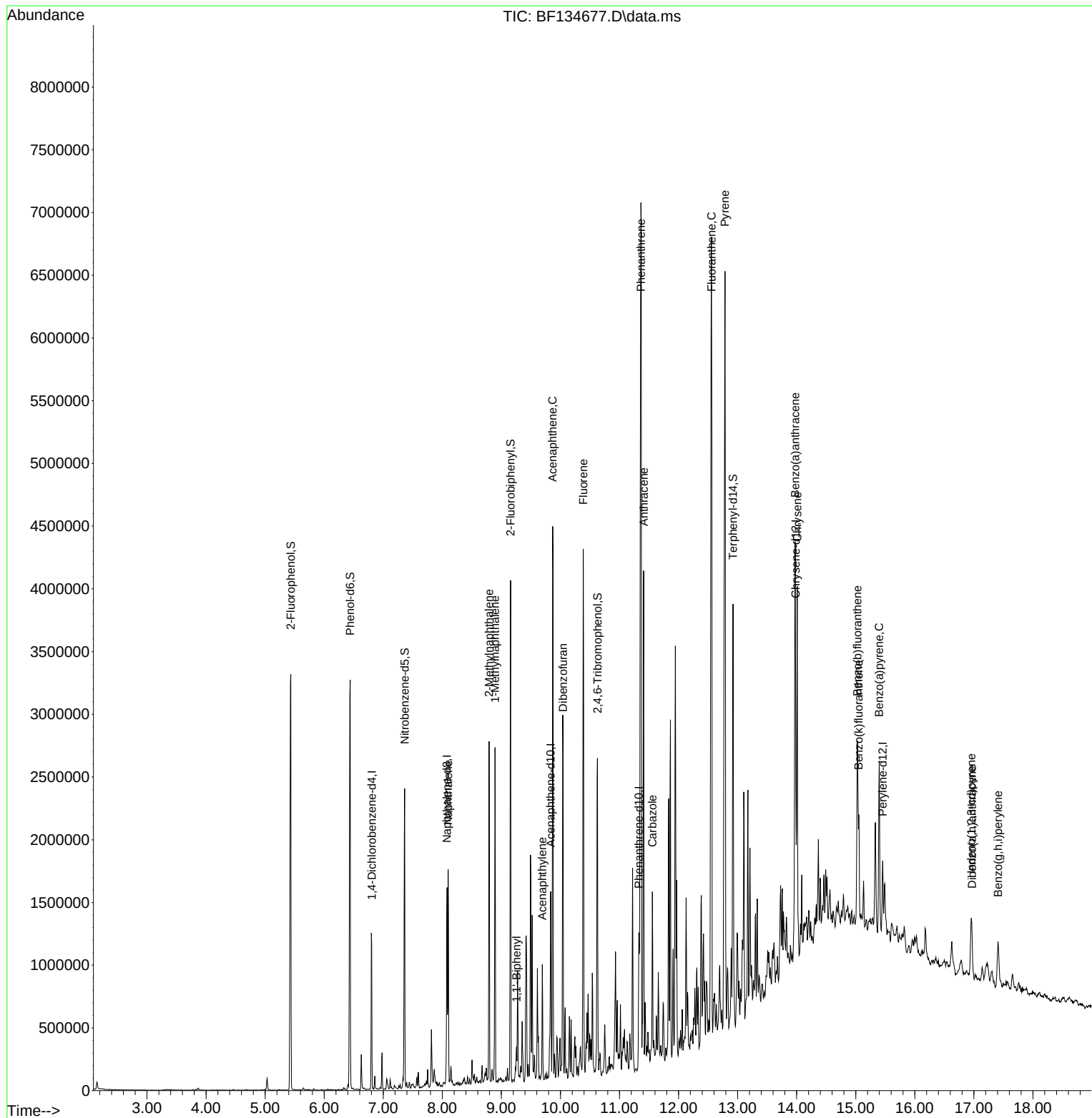
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
Data File : BF134677.D
Acq On : 08 Aug 2023 18:06
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ALS Vial : 17 Sample Multiplier: 1

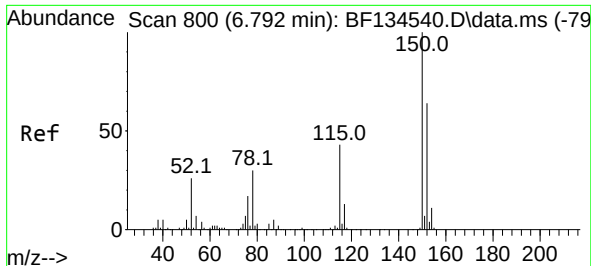
Instrument :
BNA_F
ClientSampleId :
OR-3-080723

Quant Time: Aug 09 02:19:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
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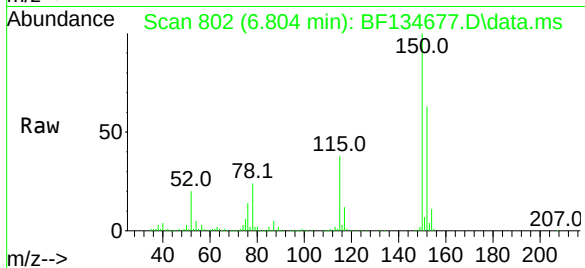
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723



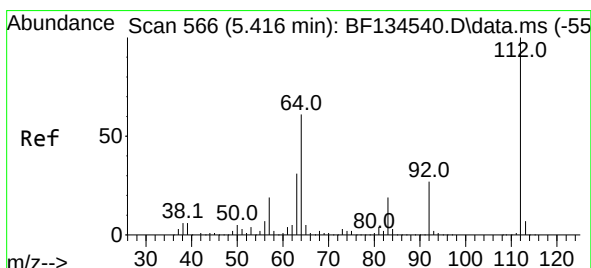
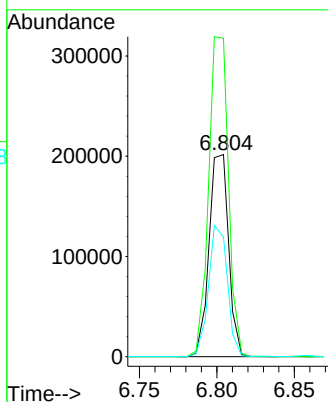
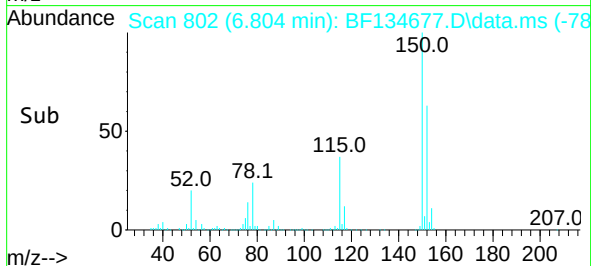
Tgt Ion:152 Resp: 177209
Ion Ratio Lower Upper
152 100
150 157.5 128.3 192.5
115 59.2 52.4 78.6

Manual Integrations

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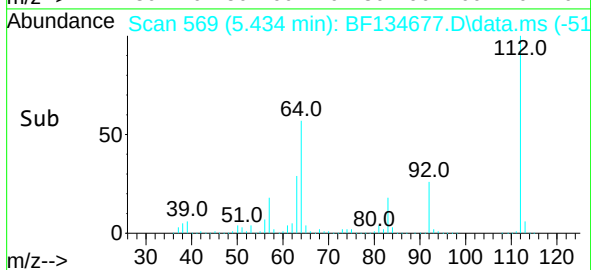
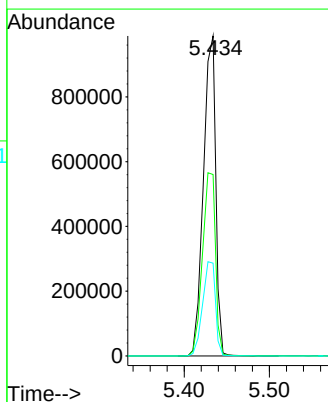
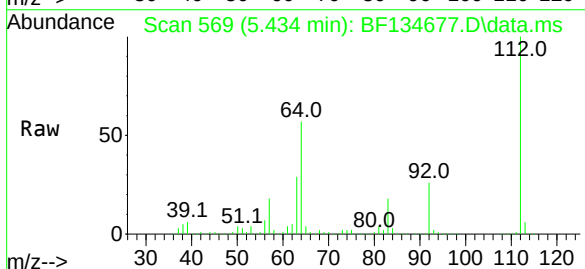
Reviewed By :Yogesh Patel 08/09/2023

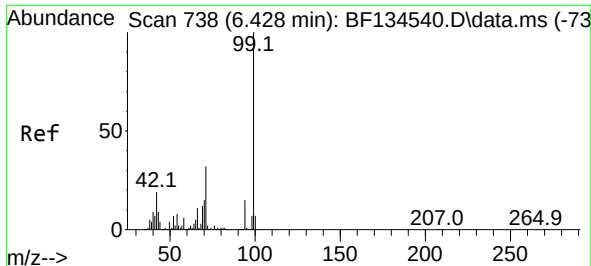
Supervised By :mohammad ahmed 08/09/2023



#5
2-Fluorophenol
Concen: 85.376 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

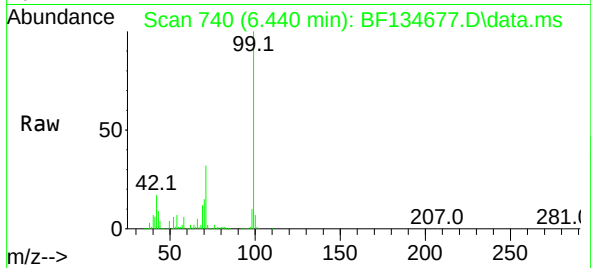
Tgt Ion:112 Resp: 995293
Ion Ratio Lower Upper
112 100
64 56.7 44.9 67.3
63 29.0 25.4 38.0





#7
Phenol-d6
Concen: 83.095 ng
RT: 6.440 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

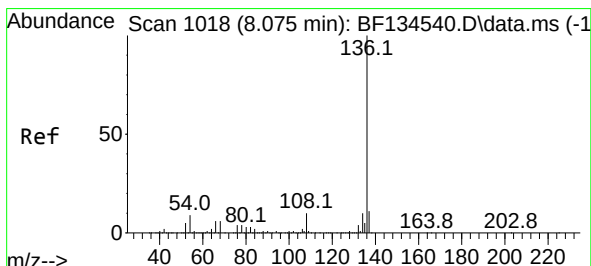
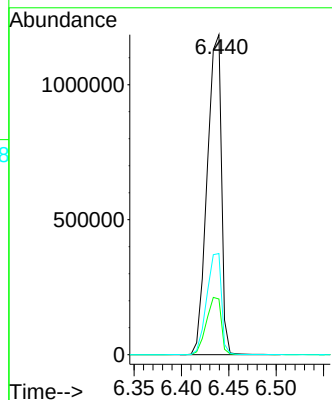
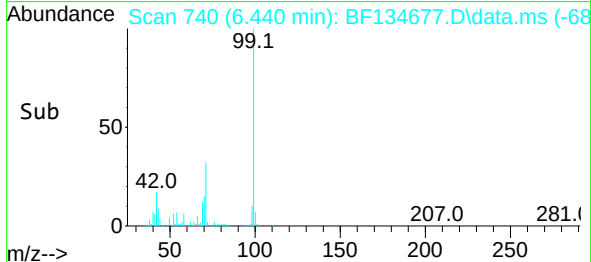
Instrument :
BNA_F
ClientSampleId :
OR-3-080723



Tgt Ion: 99 Resp: 123828
Ion Ratio Lower Upper
99 100
42 17.4 18.7 28.1
71 31.6 36.4 54.6

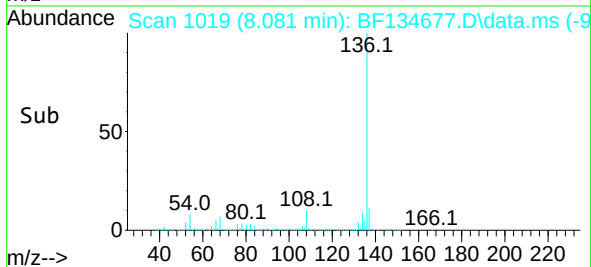
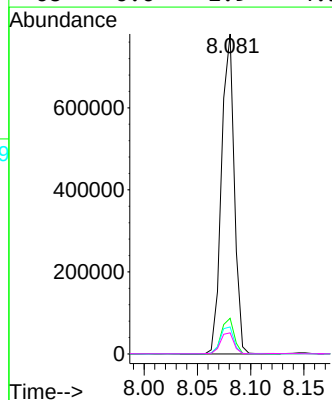
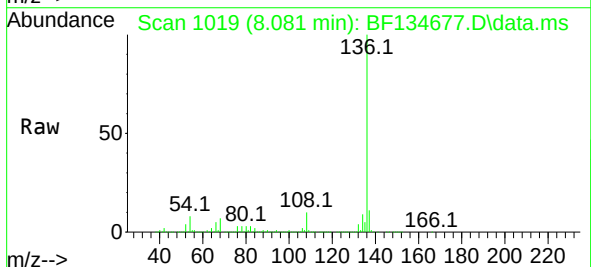
Manual Integrations
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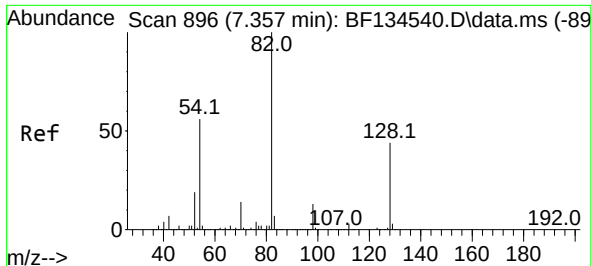
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Tgt Ion:136 Resp: 649512
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.5 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 67.365 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF134677.D

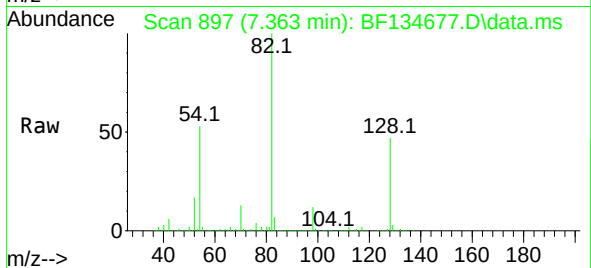
Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723



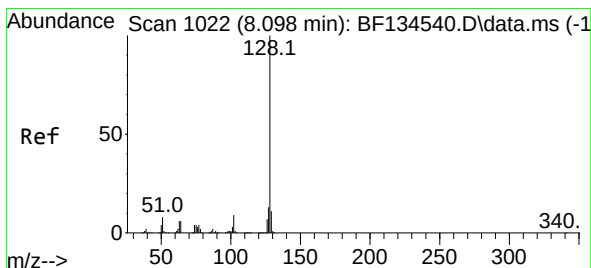
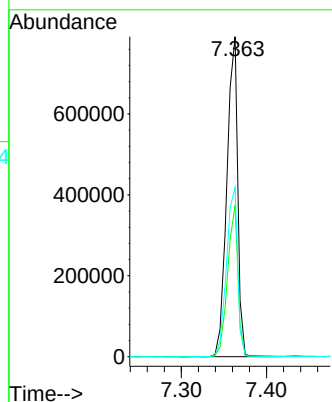
Tgt Ion:	82	Resp:	70015
Ion Ratio	Lower	Upper	
82	100		
128	47.3	34.3	51.5
54	52.9	43.8	65.6

Manual Integrations

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#31

Naphthalene

Concen: 20.188 ng

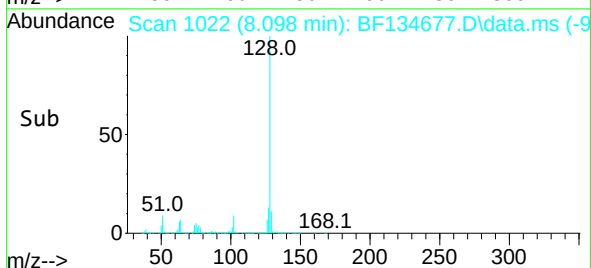
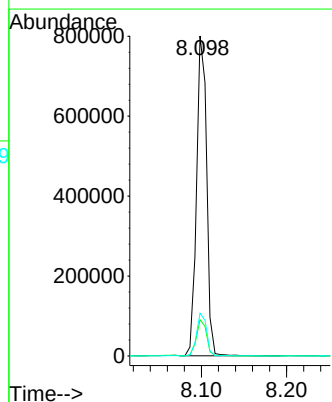
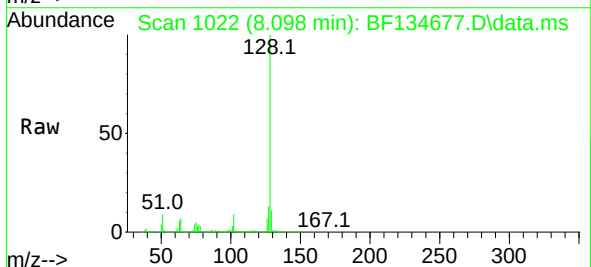
RT: 8.098 min Scan# 1022

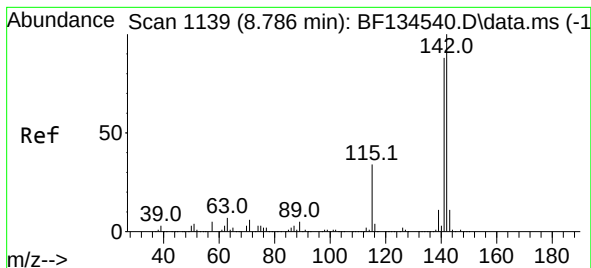
Delta R.T. -0.006 min

Lab File: BF134677.D

Acq: 08 Aug 2023 18:06

Tgt Ion:	128	Resp:	658997
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.4	12.6
127	13.3	10.7	16.1





#37

2-Methylnaphthalene

Concen: 30.447 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134677.D

Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723

Tgt Ion:142 Resp: 658780

Ion Ratio Lower Upper

142 100

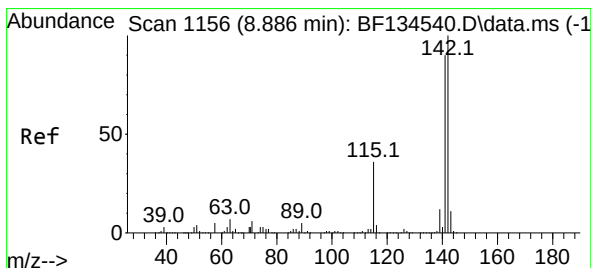
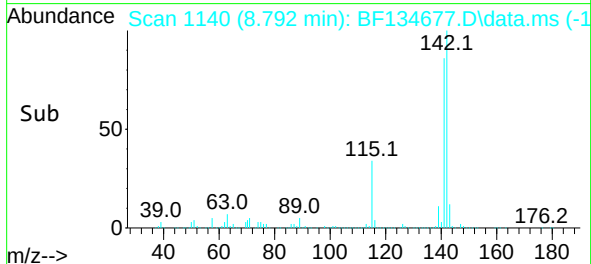
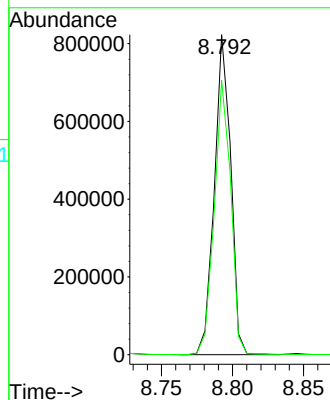
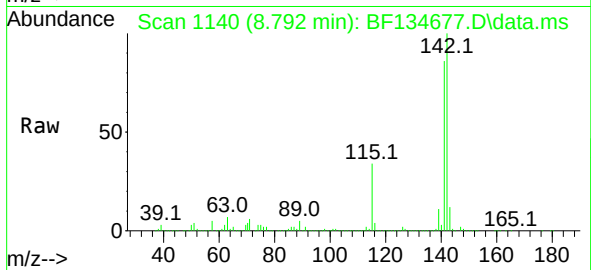
141 85.7 70.8 106.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023



#38

1-Methylnaphthalene

Concen: 31.215 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134677.D

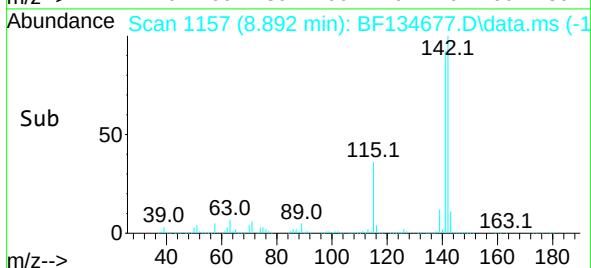
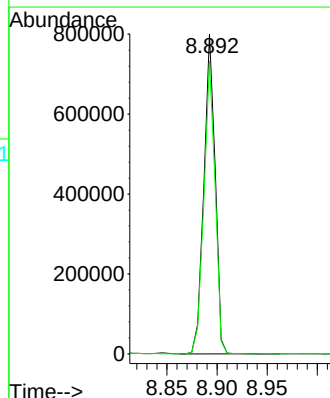
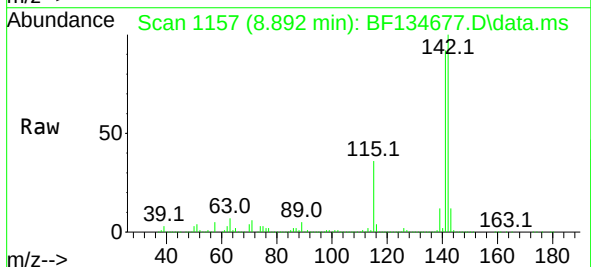
Acq: 08 Aug 2023 18:06

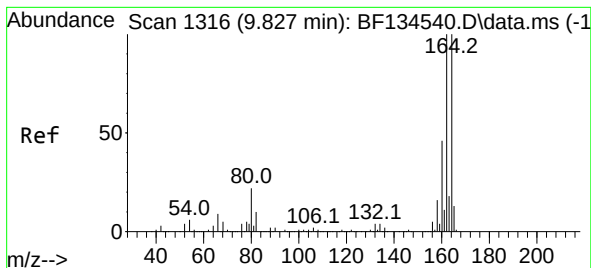
Tgt Ion:142 Resp: 628052

Ion Ratio Lower Upper

142 100

141 91.6 71.4 107.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134677.D

Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723

Tgt Ion:164 Resp: 284830

Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

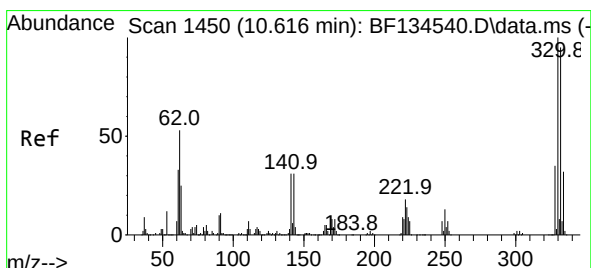
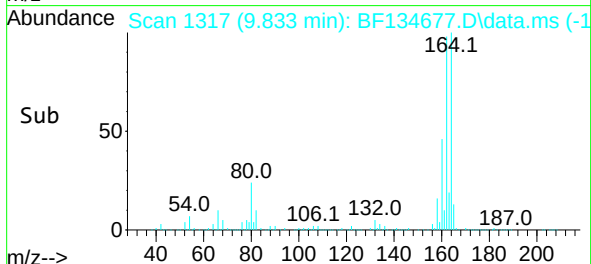
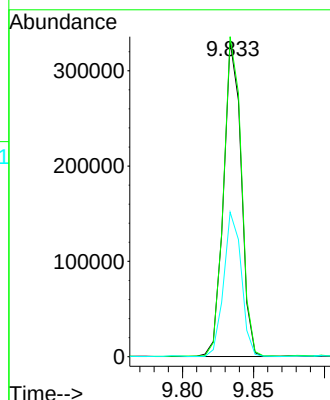
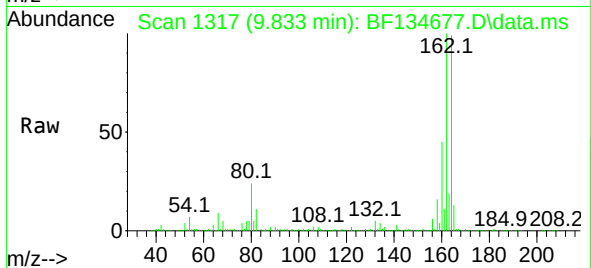
160 45.8 37.2 55.8

Manual Integrations

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Supervised By :mohammad ahmed 08/09/2023



#42

2,4,6-Tribromophenol

Concen: 85.004 ng

RT: 10.628 min Scan# 1452

Delta R.T. 0.000 min

Lab File: BF134677.D

Acq: 08 Aug 2023 18:06

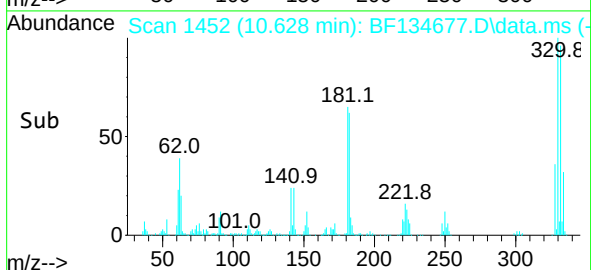
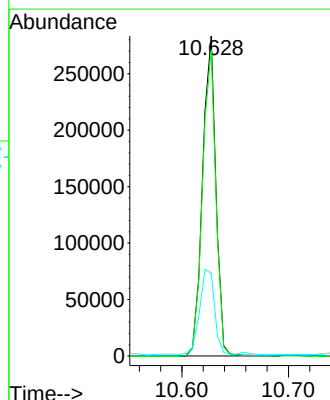
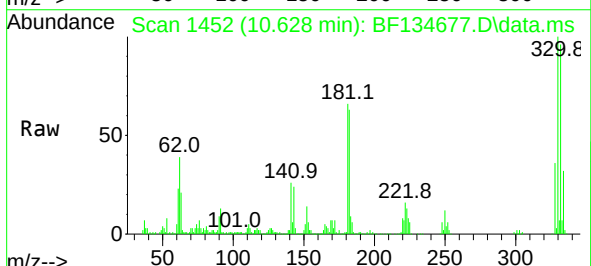
Tgt Ion:330 Resp: 246814

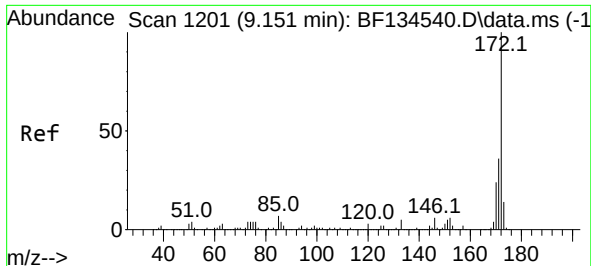
Ion Ratio Lower Upper

330 100

332 96.1 78.8 118.2

141 30.6 25.4 38.2





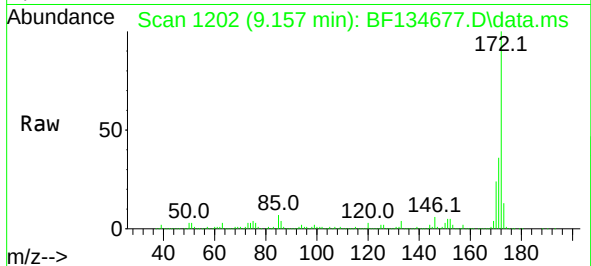
#45
2-Fluorobiphenyl
Concen: 66.641 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723

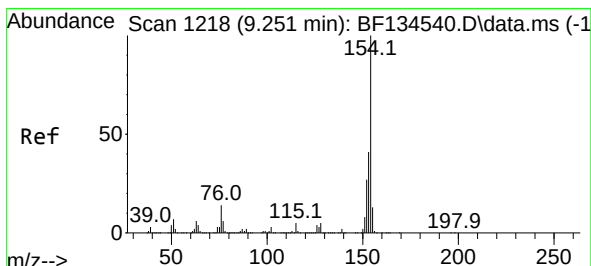
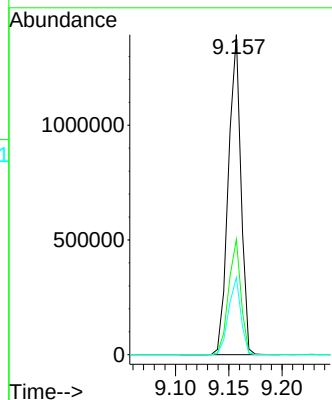
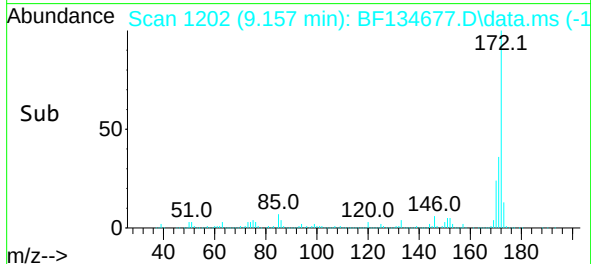


Tgt Ion:172 Resp: 1141602
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.1 18.7 28.1

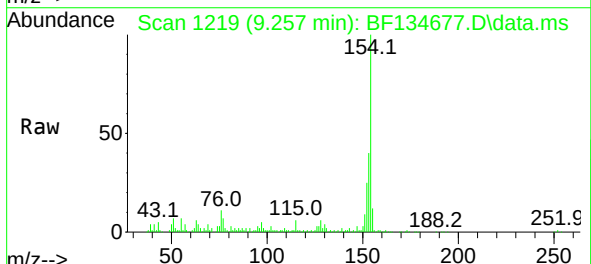
Manual Integrations

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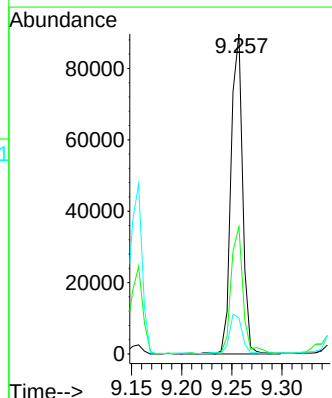
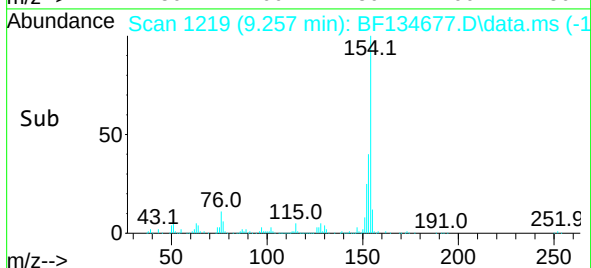
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

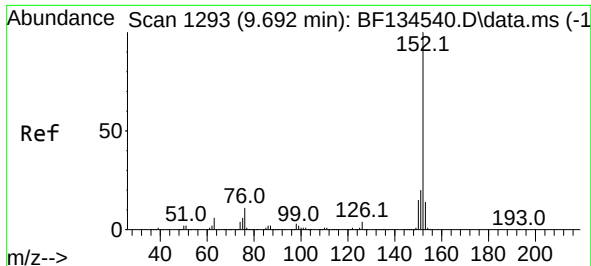


#46
1,1'-Biphenyl
Concen: 3.256 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06



Tgt Ion:154 Resp: 72111
Ion Ratio Lower Upper
154 100
153 39.7 20.8 60.8
76 11.3 0.0 30.2





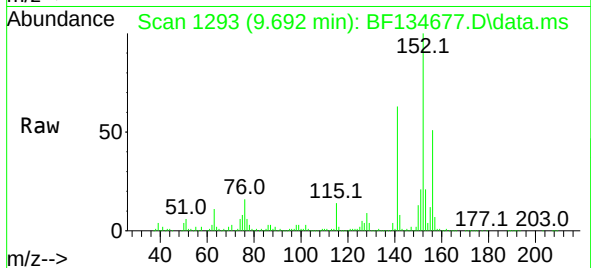
#49
Acenaphthylene
Concen: 7.118 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723



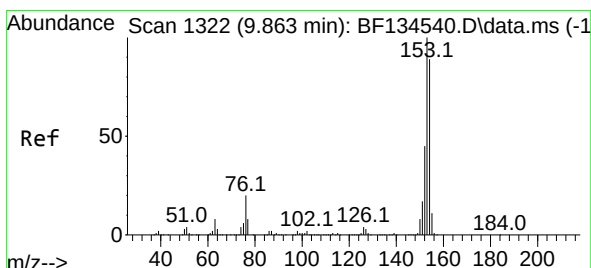
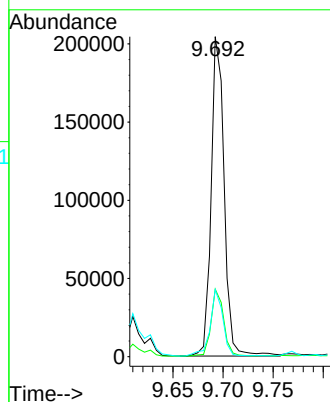
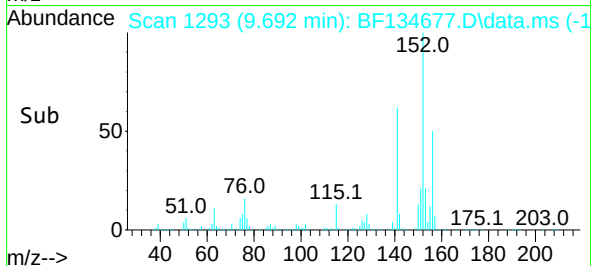
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Ion Ratio Lower Upper
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151 21.1 16.4 24.6
153 21.0 10.9 16.3

Manual Integrations

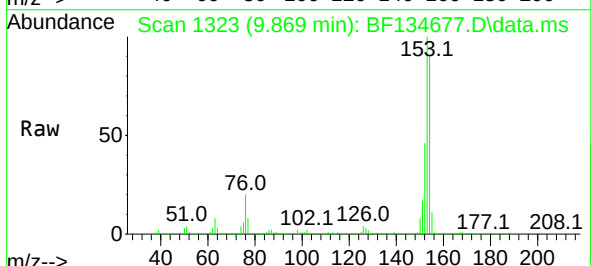
APPROVED

Reviewed By :Yogesh Patel 08/09/2023

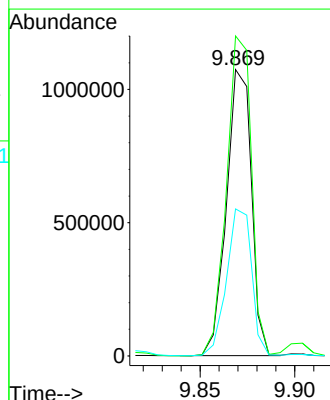
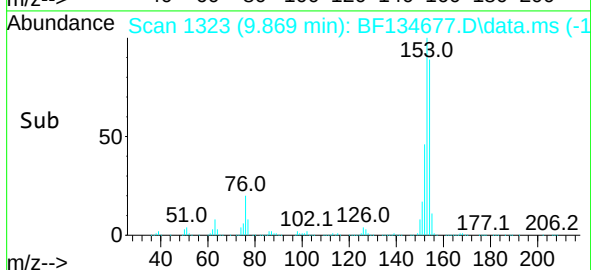
Supervised By :mohammad ahmed 08/09/2023

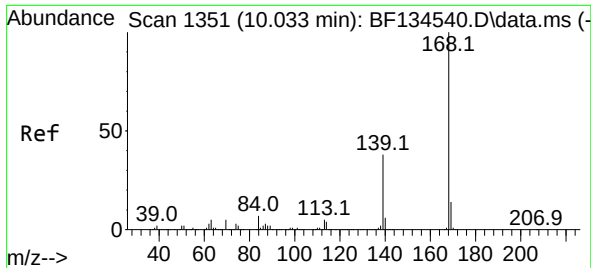


#52
Acenaphthene
Concen: 57.976 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06



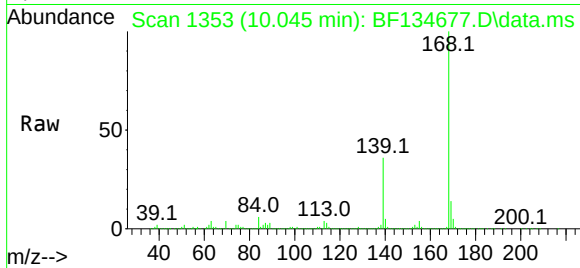
Tgt Ion:154 Resp: 980148
Ion Ratio Lower Upper
154 100
153 111.7 90.0 135.0
152 51.3 42.4 63.6





#55
Dibenzenofuran
Concen: 41.599 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

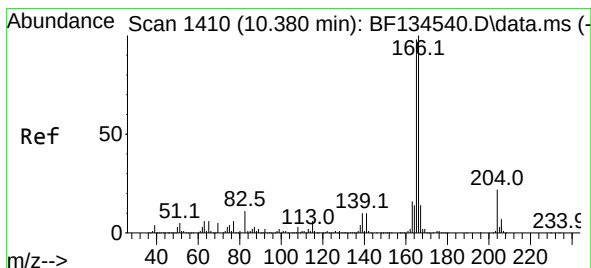
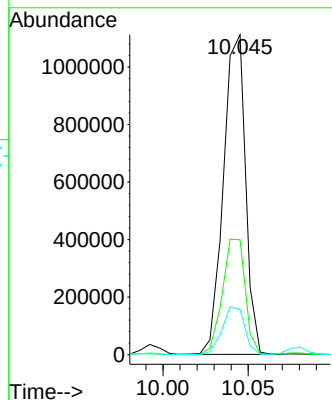
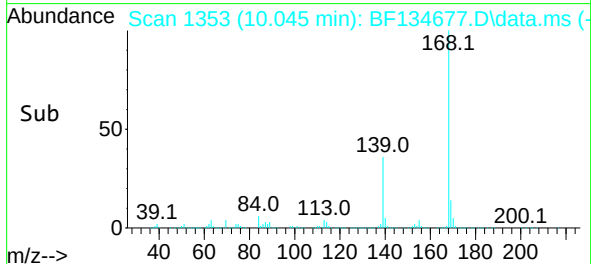
Instrument :
BNA_F
ClientSampleId :
OR-3-080723



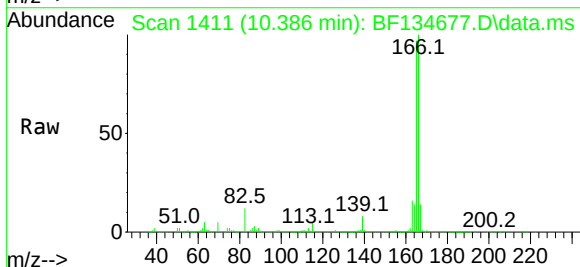
Tgt Ion:168 Resp: 1001160
Ion Ratio Lower Upper
168 100
139 35.9 33.4 50.2
169 14.1 10.6 15.8

Manual Integrations
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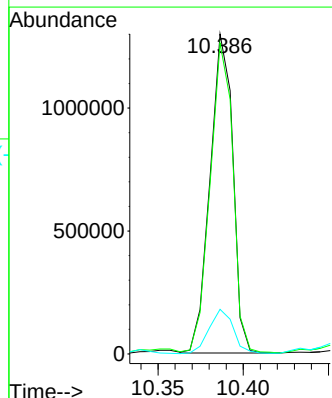
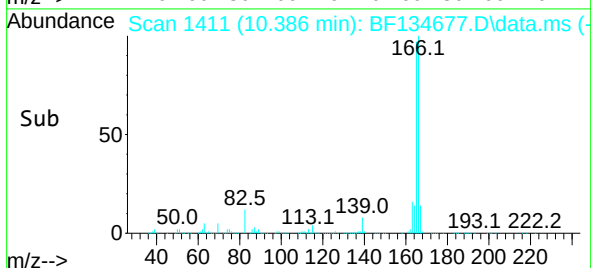
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

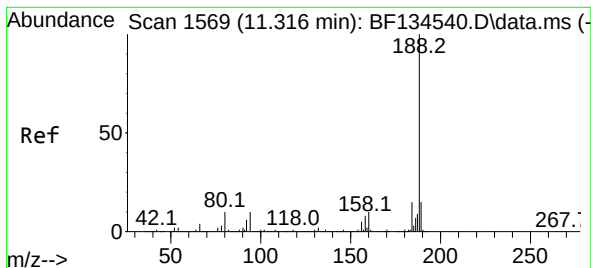


#58
Fluorene
Concen: 68.801 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06



Tgt Ion:166 Resp: 1206066
Ion Ratio Lower Upper
166 100
165 97.1 74.5 111.7
167 14.0 10.6 16.0





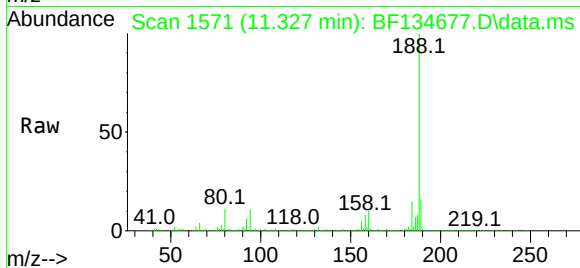
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723

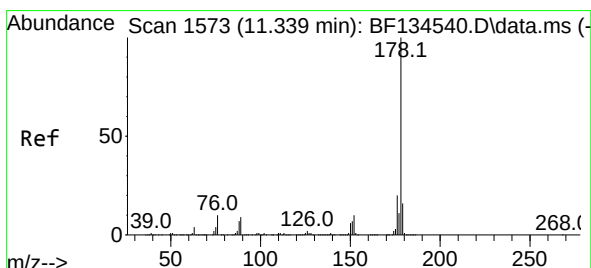
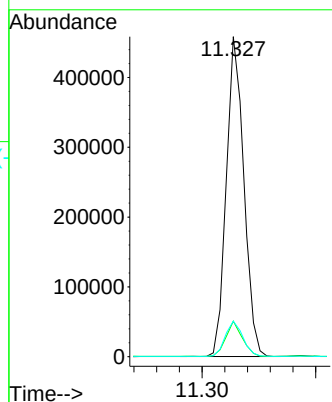
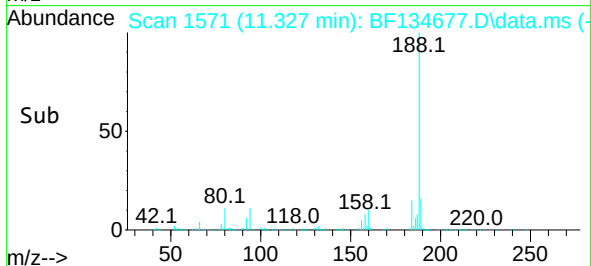


Tgt Ion:188 Resp: 49217
Ion Ratio Lower Upper
188 100
94 11.1 5.1 7.7
80 11.1 6.6 9.8

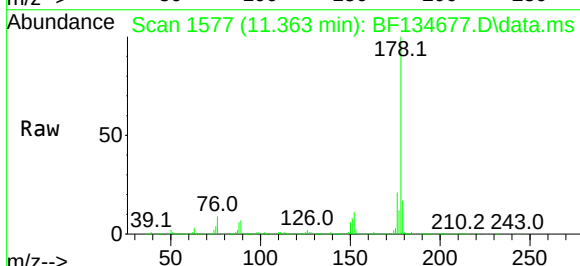
Manual Integrations

APPROVED

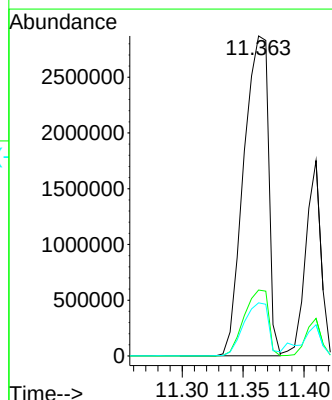
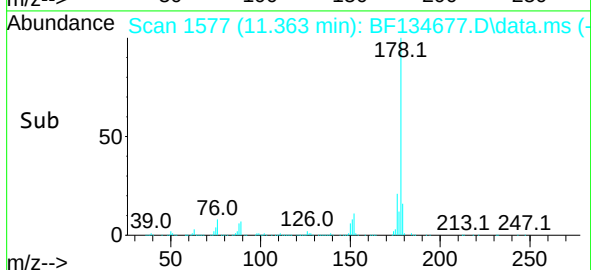
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023

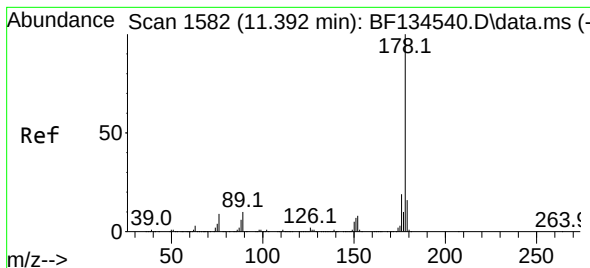


#71
Phenanthrene
Concen: 154.829 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.012 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06



Tgt Ion:178 Resp: 4047553
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.6
179 16.6 12.7 19.1





#72

Anthracene

Concen: 55.191 ng

RT: 11.410 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134677.D

Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723

Tgt Ion:178 Resp: 147376

Ion Ratio Lower Upper

178 100

176 19.3 14.6 21.8

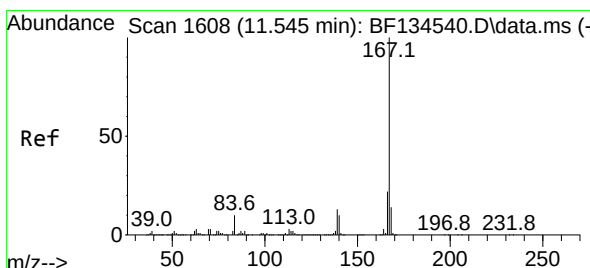
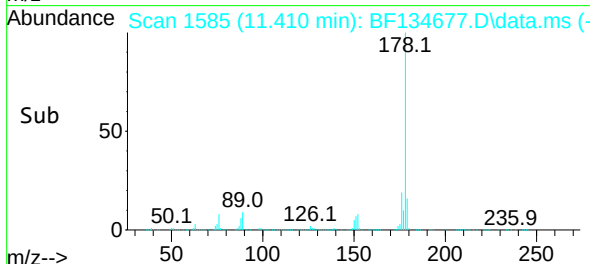
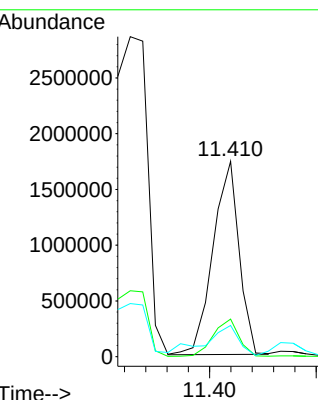
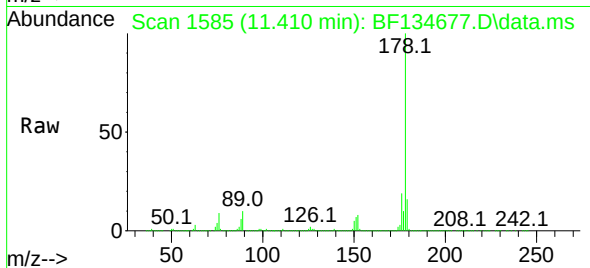
179 16.0 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023



#73

Carbazole

Concen: 19.653 ng

RT: 11.557 min Scan# 1610

Delta R.T. 0.000 min

Lab File: BF134677.D

Acq: 08 Aug 2023 18:06

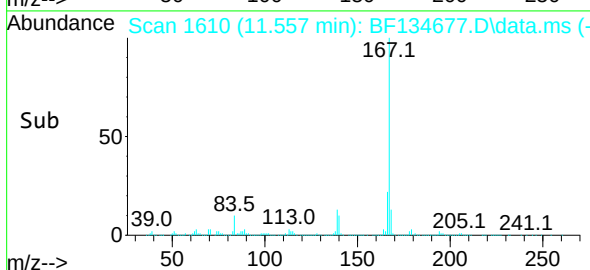
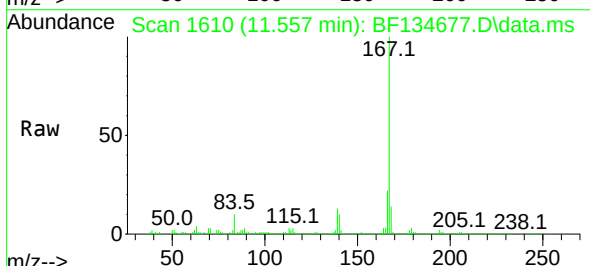
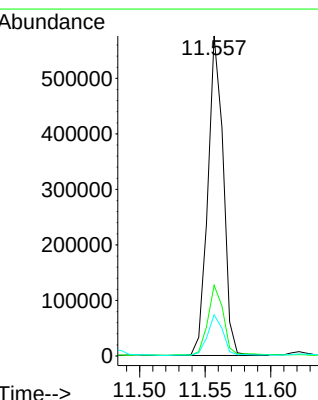
Tgt Ion:167 Resp: 468571

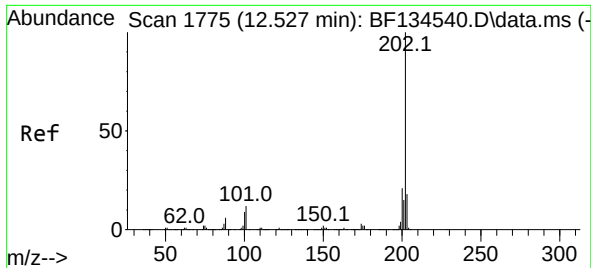
Ion Ratio Lower Upper

167 100

166 22.1 17.5 26.3

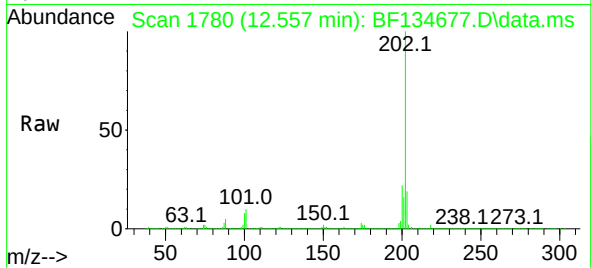
139 12.9 11.0 16.4





#75
Fluoranthene
Concen: 132.691 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

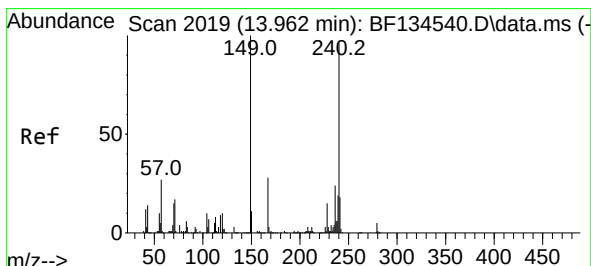
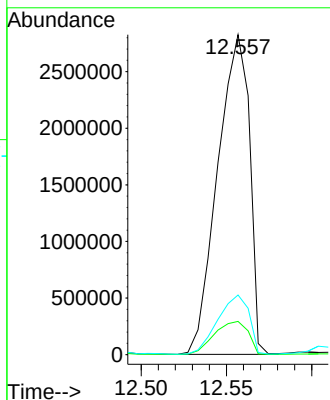
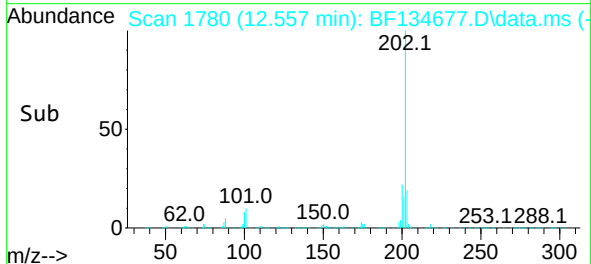
Instrument :
BNA_F
ClientSampleId :
OR-3-080723



Tgt Ion:202 Resp: 3664170
Ion Ratio Lower Upper
202 100
101 10.4 0.0 28.5
203 18.7 0.0 37.5

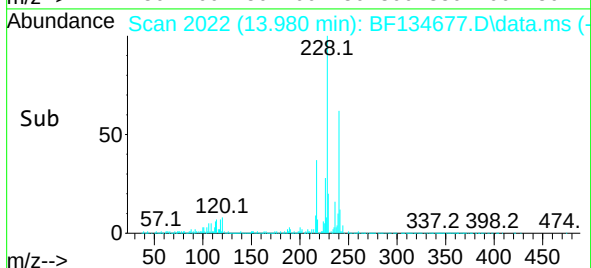
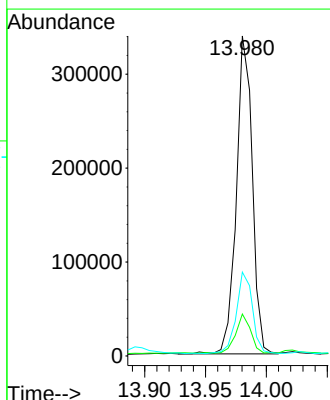
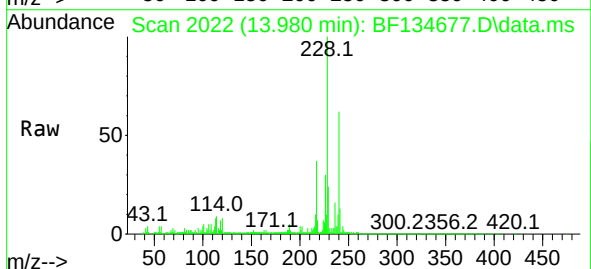
Manual Integrations
APPROVED

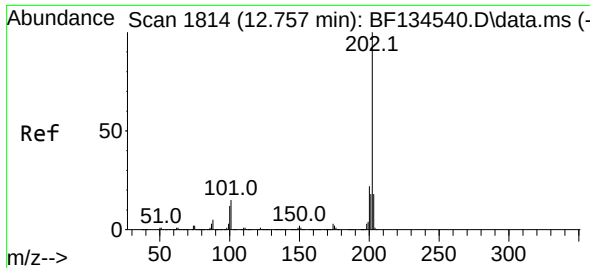
Reviewed By :Yogesh Patel 08/09/2023
Supervised By :mohammad ahmed 08/09/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Tgt Ion:240 Resp: 308471
Ion Ratio Lower Upper
240 100
120 13.1 6.6 10.0#
236 26.2 20.2 30.2





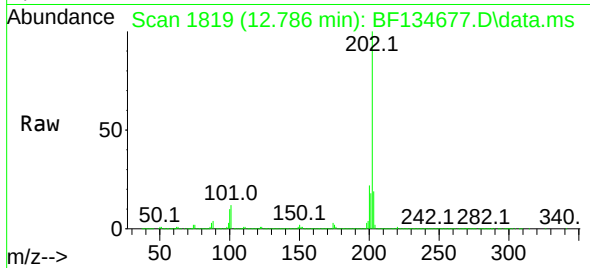
#78
 Pyrene
 Concen: 121.574 ng
 RT: 12.786 min Scan# 1819
 Delta R.T. 0.018 min
 Lab File: BF134677.D
 Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723



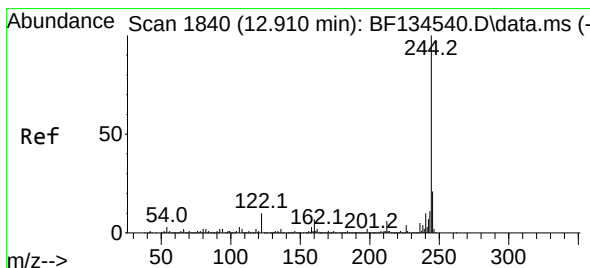
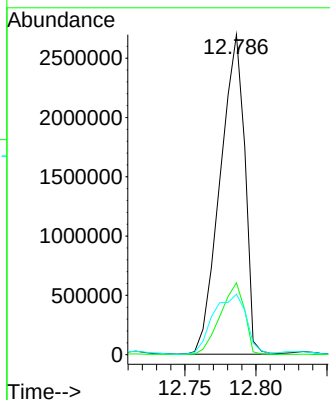
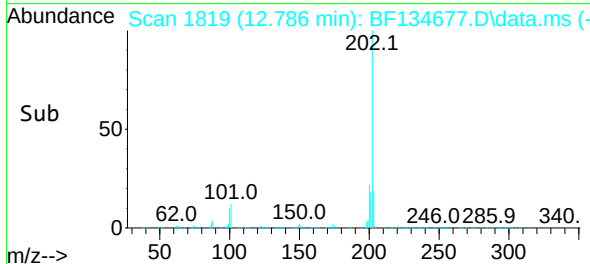
Tgt Ion:202 Resp: 3245109
 Ion Ratio Lower Upper
 202 100
 200 22.5 15.8 23.8
 203 18.9 13.5 20.3

Manual Integrations

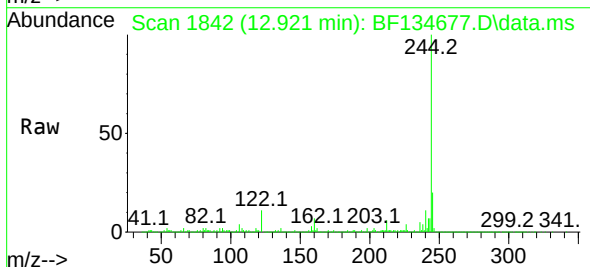
APPROVED

Reviewed By :Yogesh Patel 08/09/2023

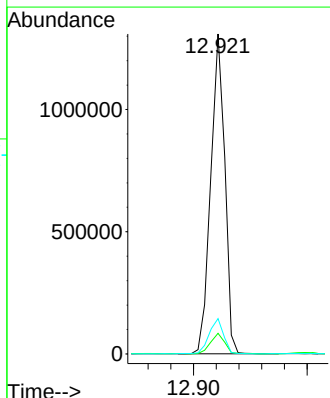
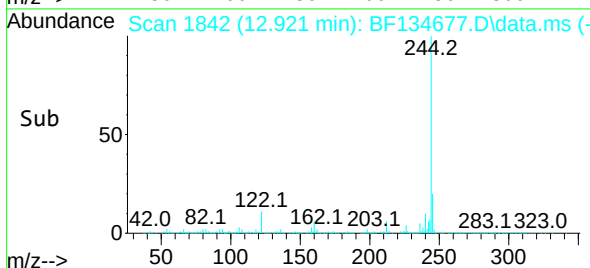
Supervised By :mohammad ahmed 08/09/2023

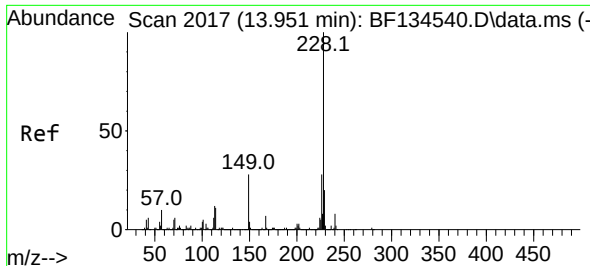


#79
 Terphenyl-d14
 Concen: 64.302 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF134677.D
 Acq: 08 Aug 2023 18:06



Tgt Ion:244 Resp: 1125178
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 11.1 8.0 12.0





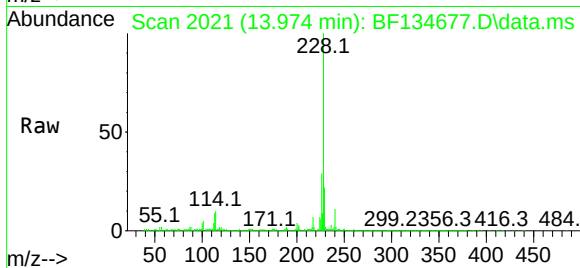
#81
Benzo(a)anthracene
Concen: 60.820 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Instrument :

BNF_F

ClientSampleId :

OR-3-080723



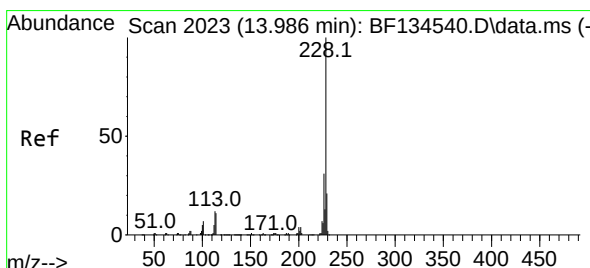
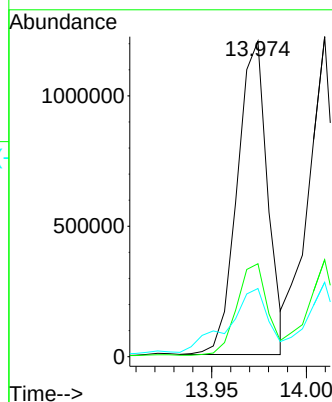
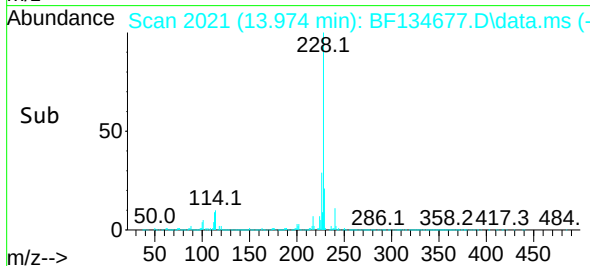
Tgt Ion:228 Resp: 134151
Ion Ratio Lower Upper
228 100
226 29.5 22.3 33.5
229 21.6 15.8 23.6

Manual Integrations

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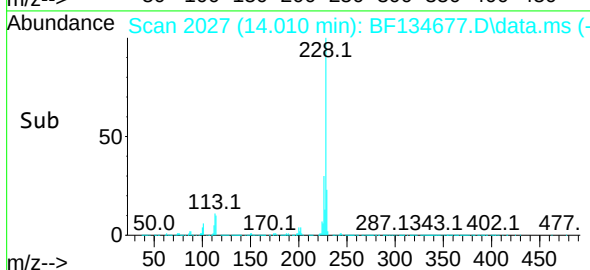
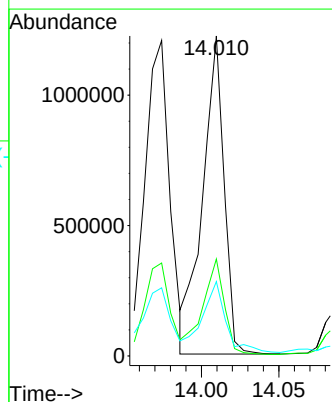
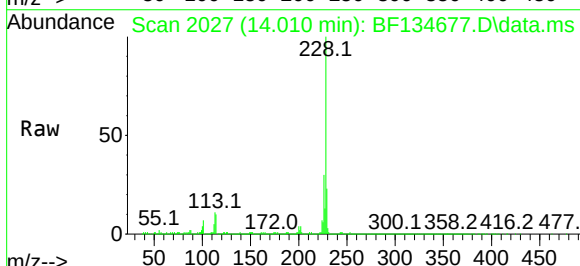
Reviewed By :Yogesh Patel 08/09/2023

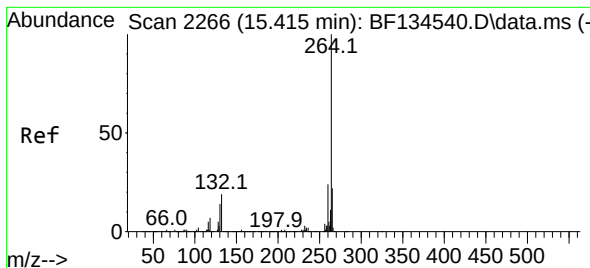
Supervised By :mohammad ahmed 08/09/2023



#83
Chrysene
Concen: 54.787 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.012 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Tgt Ion:228 Resp: 1177334
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 23.3 15.8 23.8





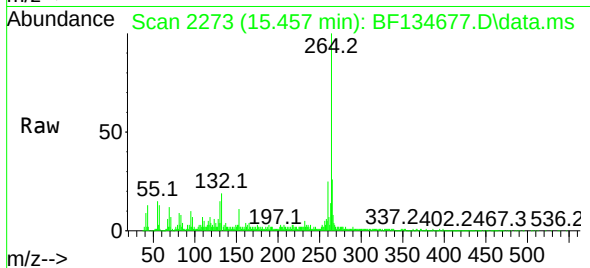
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723



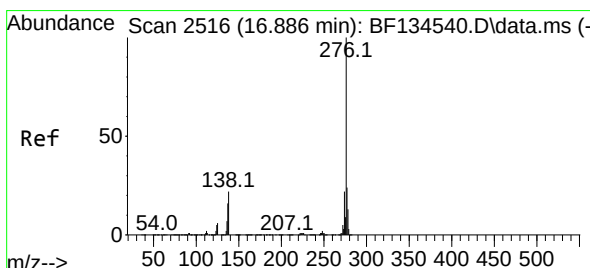
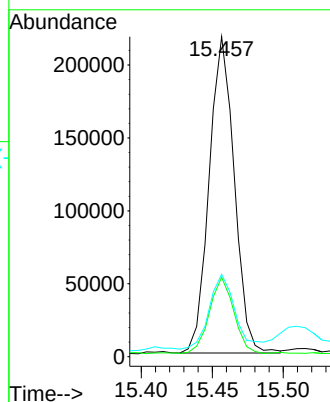
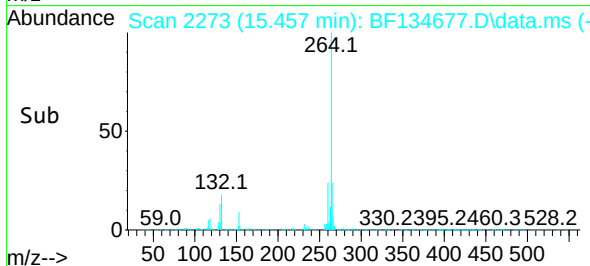
Tgt Ion:264 Resp: 26738
Ion Ratio Lower Upper
264 100
260 24.8 18.4 27.6
265 25.8 15.8 23.8

Manual Integrations

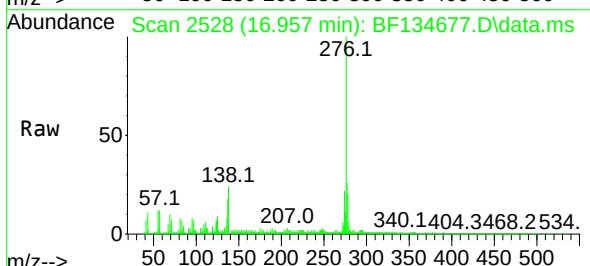
APPROVED

Reviewed By :Yogesh Patel 08/09/2023

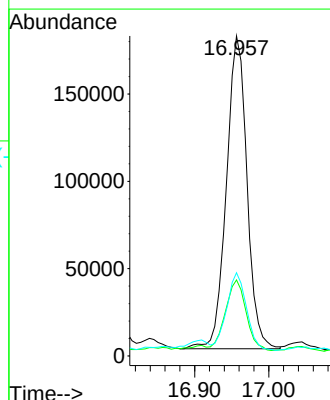
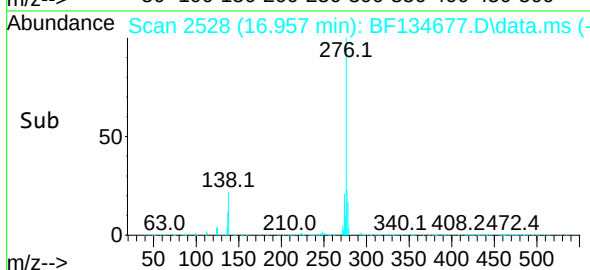
Supervised By :mohammad ahmed 08/09/2023

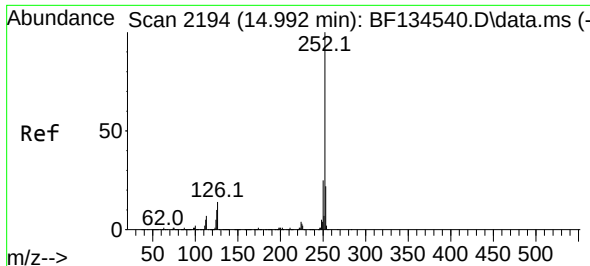


#87
Indeno(1,2,3-cd)pyrene
Concen: 22.003 ng
RT: 16.957 min Scan# 2528
Delta R.T. 0.029 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06



Tgt Ion:276 Resp: 346008
Ion Ratio Lower Upper
276 100
138 23.5 14.2 21.4#
277 24.0 19.9 29.9





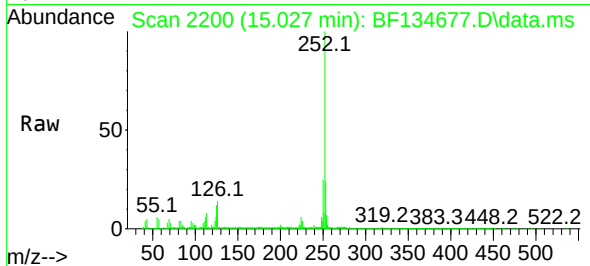
#88
Benzo(b)fluoranthene
Concen: 58.609 ng m
RT: 15.027 min Scan# 2194
Delta R.T. 0.018 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Instrument :

BNF

ClientSampleId :

OR-3-080723



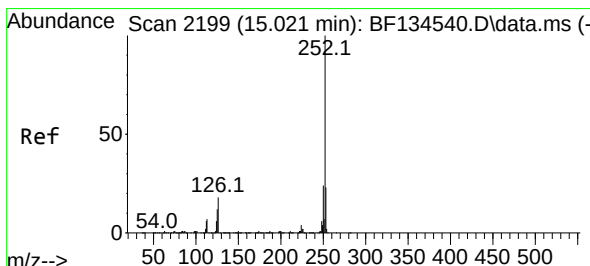
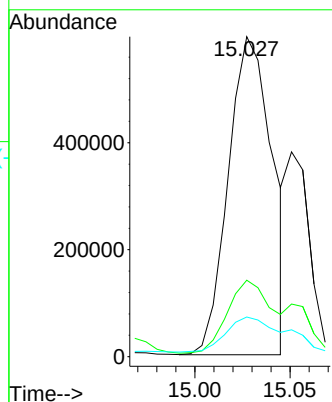
Tgt Ion:252 Resp: 955785
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 12.4 6.0 9.0

Manual Integrations

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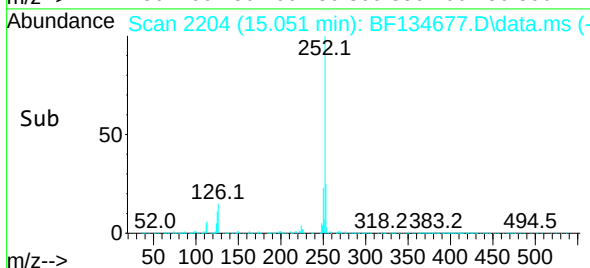
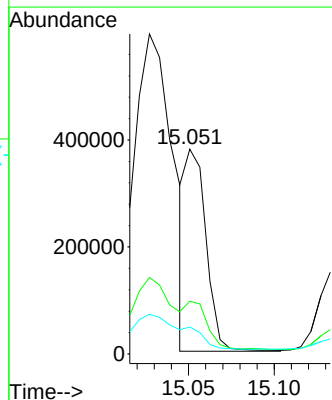
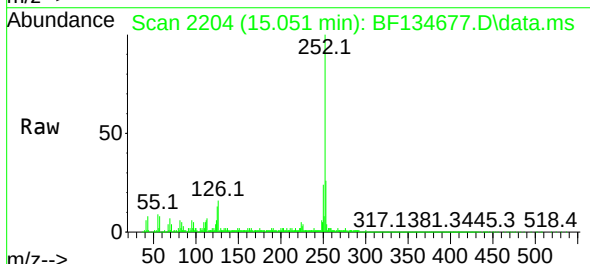
Reviewed By :Yogesh Patel 08/09/2023

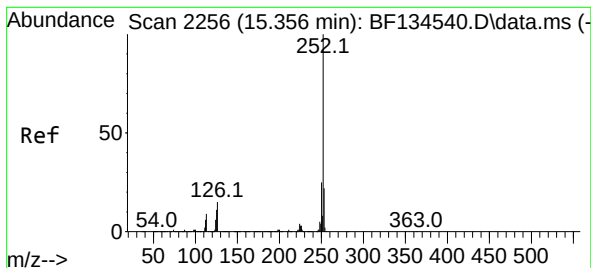
Supervised By :mohammad ahmed 08/09/2023



#89
Benzo(k)fluoranthene
Concen: 19.368 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.012 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Tgt Ion:252 Resp: 314635
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 13.1 6.3 9.5





#90

Benzo(a)pyrene

Concen: 46.376 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134677.D

Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723

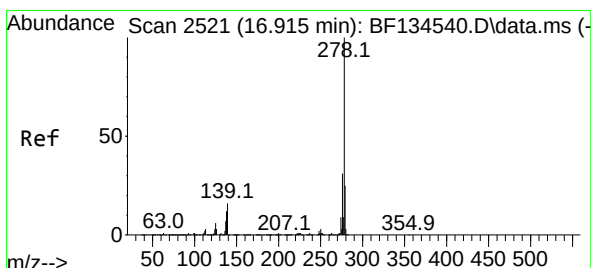
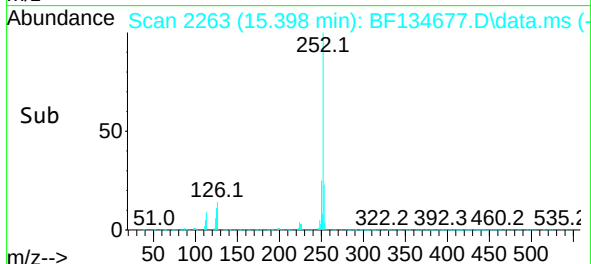
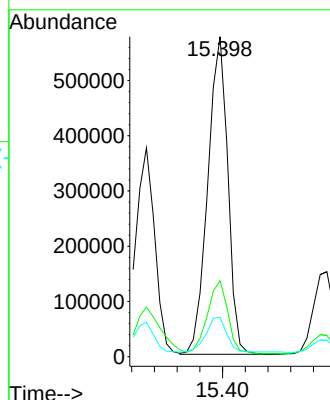
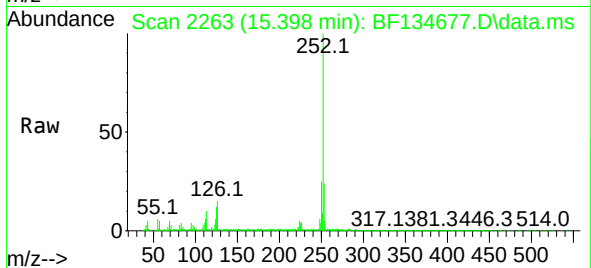
Tgt Ion:	252	Resp:	705154
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.0	25.4
125	12.3	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023



#91

Dibenzo(a,h)anthracene

Concen: 6.851 ng

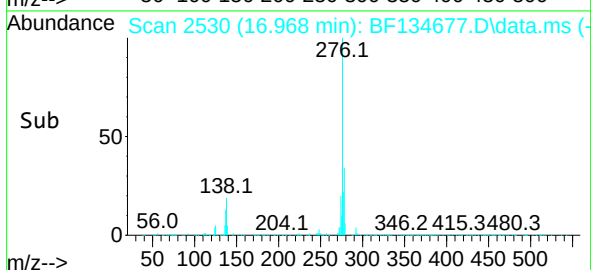
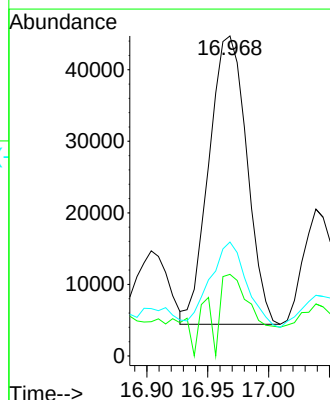
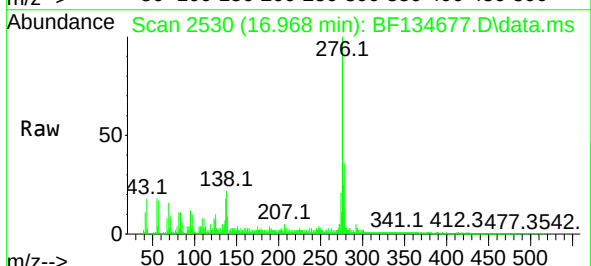
RT: 16.968 min Scan# 2530

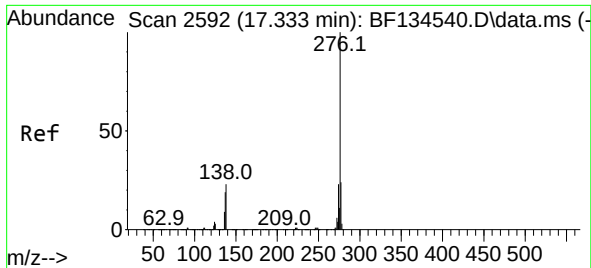
Delta R.T. 0.018 min

Lab File: BF134677.D

Acq: 08 Aug 2023 18:06

Tgt Ion:	278	Resp:	87069
Ion Ratio	Lower	Upper	
278	100		
139	25.5	10.0	15.0#
279	35.6	19.7	29.5#





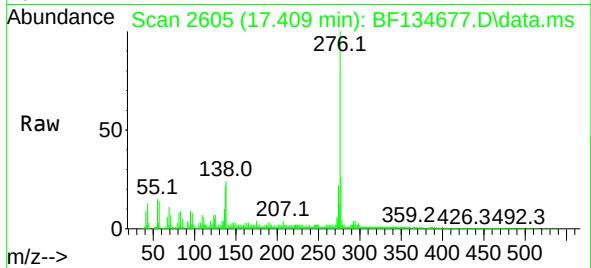
#92
Benzo(g,h,i)perylene
Concen: 25.476 ng
RT: 17.409 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF134677.D
Acq: 08 Aug 2023 18:06

Instrument :

BNA_F

ClientSampleId :

OR-3-080723



Tgt Ion:276 Resp: 330270
Ion Ratio Lower Upper
276 100
277 25.7 19.0 28.6
138 23.6 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2023

Supervised By :mohammad ahmed 08/09/2023

