

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134705.D
 Acq On : 10 Aug 2023 12:20
 Operator : CG\JU
 Sample : 03943-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP21A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

Quant Time: Aug 11 03:53:10 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	6.798	152	204755	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	787198	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	384120	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	618574	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	385939	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	366382	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	999391	74.195	ng	0.01
7) Phenol-d6	6.439	99	1257837	73.051	ng	0.00
23) Nitrobenzene-d5	7.363	82	784612	62.287	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	322106	82.259	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1446500	62.613	ng	0.00
79) Terphenyl-d14	12.921	244	1293525	59.085	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.692	152	128428	3.650	ng	98
71) Phenanthrene	11.345	178	468480	14.259	ng	99
72) Anthracene	11.398	178	127032	3.785	ng	99
75) Fluoranthene	12.545	202	1273328	36.689	ng	95
78) Pyrene	12.780	202	1839034	55.068	ng	97
81) Benzo(a)anthracene	13.968	228	1046265	37.913	ng	95
83) Chrysene	14.004	228	988368	36.761	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	410143	19.034	ng	# 94
88) Benzo(b)fluoranthene	15.027	252	911873m	40.808	ng	
89) Benzo(k)fluoranthene	15.051	252	312438m	14.036	ng	
90) Benzo(a)pyrene	15.392	252	783305	37.597	ng	# 96
91) Dibenzo(a,h)anthracene	16.956	278	111605	6.409	ng	# 90
92) Benzo(g,h,i)perylene	17.403	276	450121	25.340	ng	# 92

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

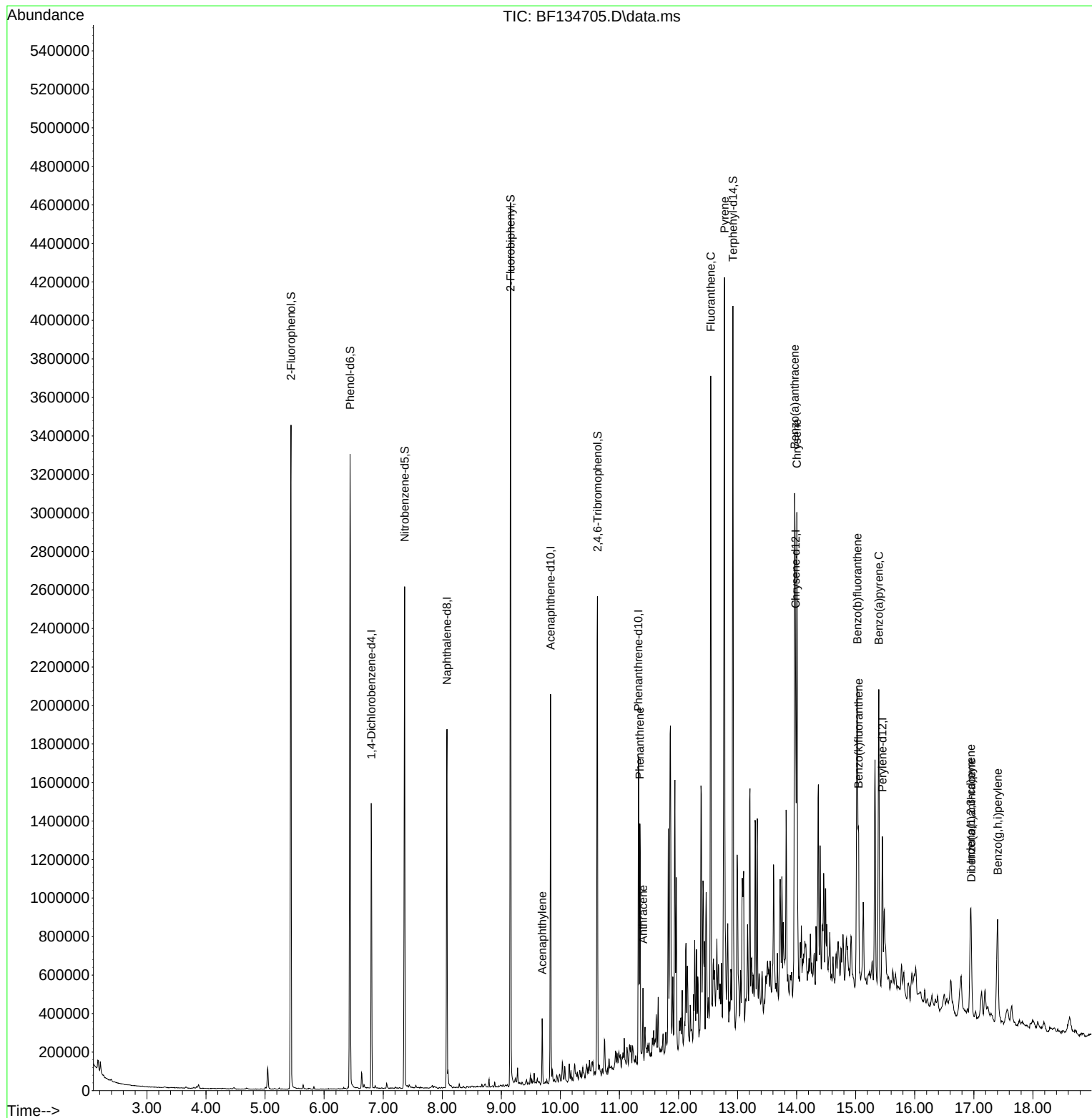
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
Data File : BF134705.D
Acq On : 10 Aug 2023 12:20
Operator : CG\JU
Sample : 03943-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

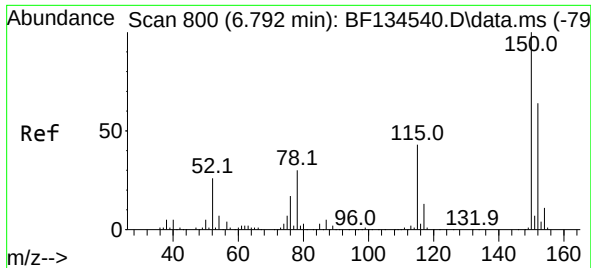
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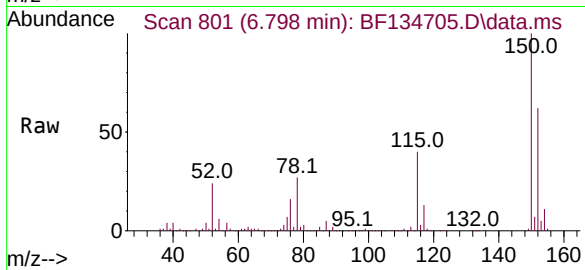
Quant Time: Aug 11 03:53:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

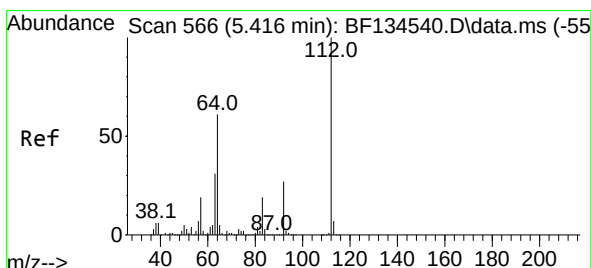
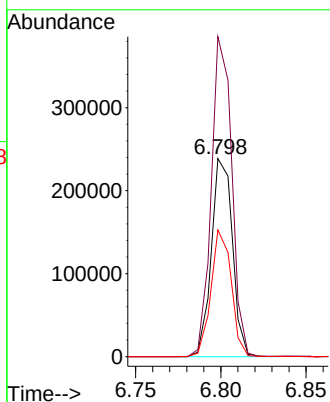
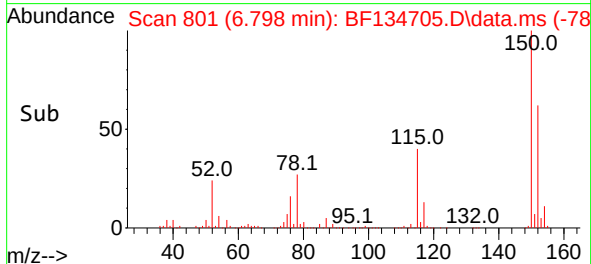
Instrument :
BNA_F
ClientSampleId :
B-PP21A



Tgt Ion:152 Resp: 204755
Ion Ratio Lower Upper
152 100
150 161.6 128.3 192.5
115 64.0 52.4 78.6

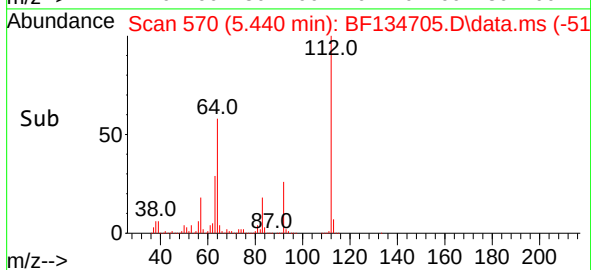
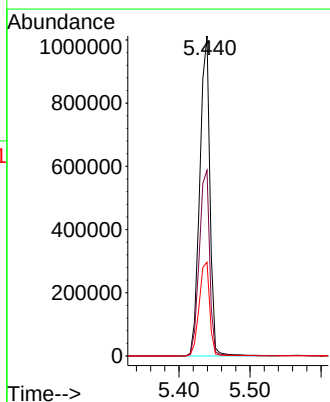
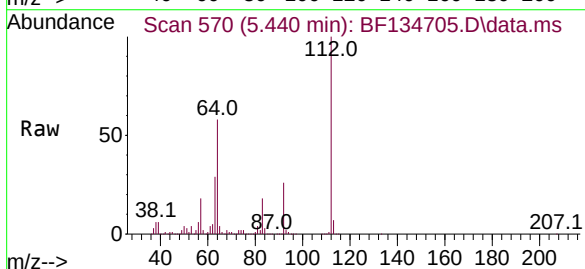
Manual Integrations
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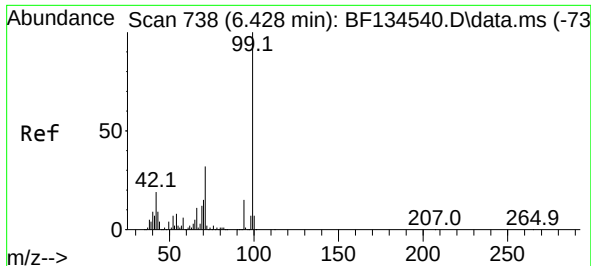
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#5
2-Fluorophenol
Concen: 74.195 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

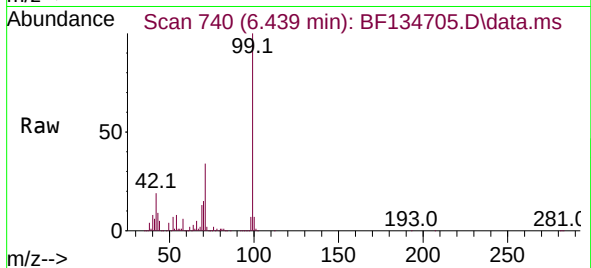
Tgt Ion:112 Resp: 999391
Ion Ratio Lower Upper
112 100
64 58.0 44.9 67.3
63 29.3 25.4 38.0





#7
Phenol-d6
Concen: 73.051 ng
RT: 6.439 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

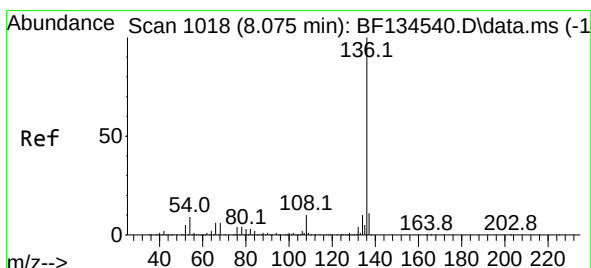
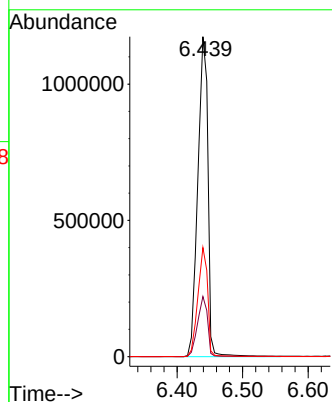
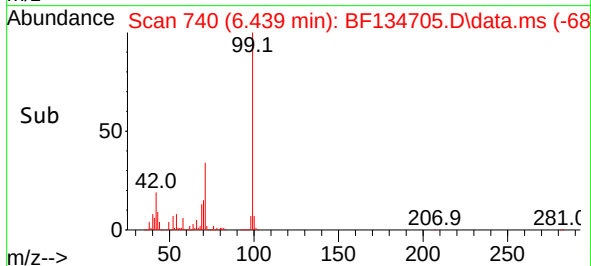
Instrument :
BNA_F
ClientSampleId :
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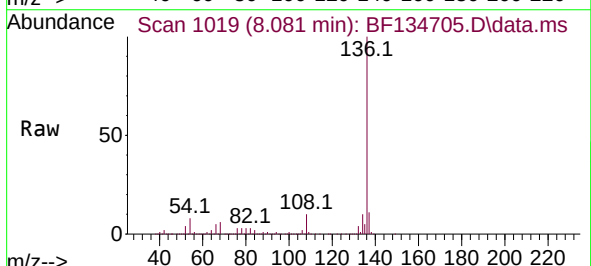
Tgt Ion: 99 Resp: 125783
Ion Ratio Lower Upper
99 100
42 18.8 18.7 28.1
71 34.1 36.4 54.6

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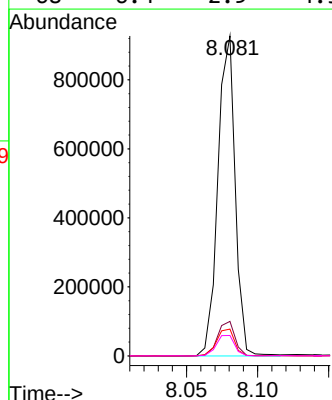
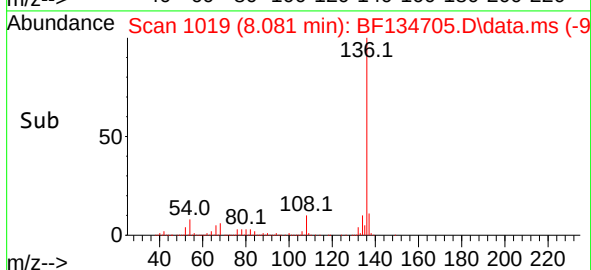
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

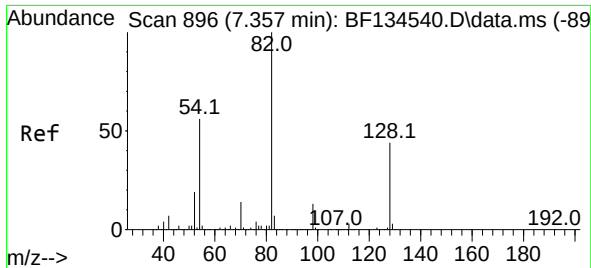


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20



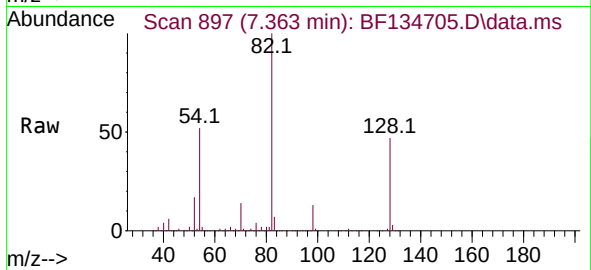
Tgt Ion:136 Resp: 787198
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.4 5.2 7.8#
68 6.4 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 62.287 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

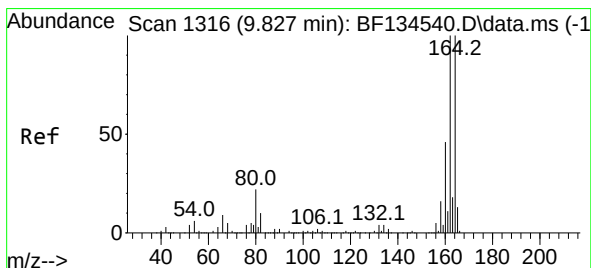
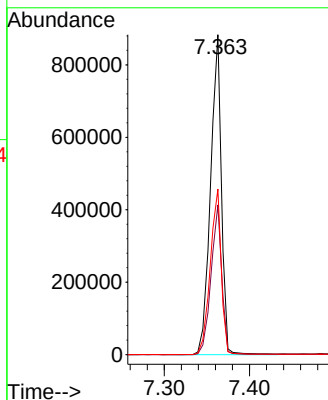
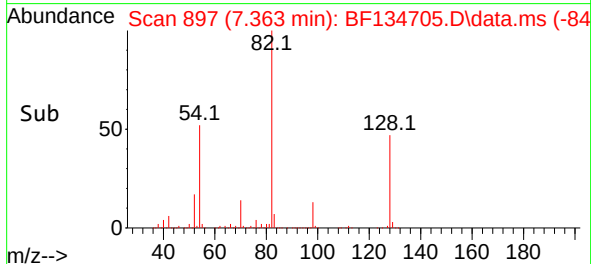
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 784612
Ion Ratio Lower Upper
82 100
128 46.8 34.3 51.5
54 51.7 43.8 65.6

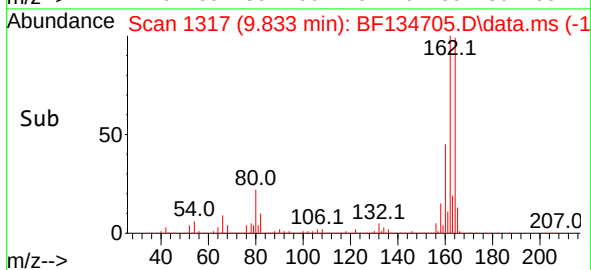
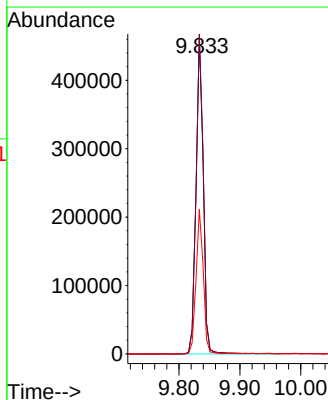
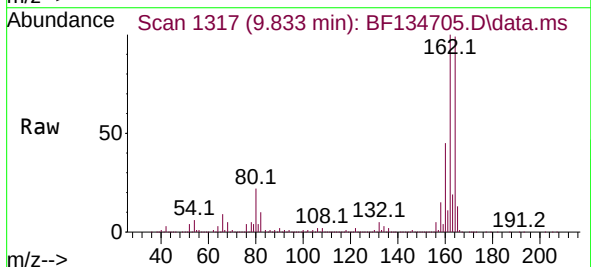
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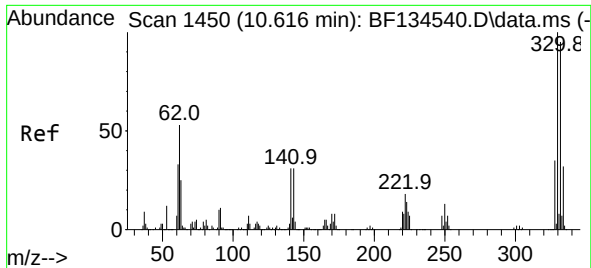
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

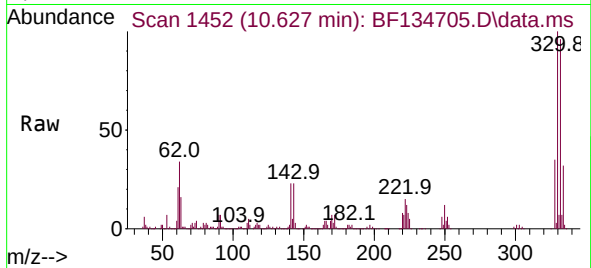
Tgt Ion:164 Resp: 384120
Ion Ratio Lower Upper
164 100
162 101.0 82.6 123.8
160 45.6 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 82.259 ng
RT: 10.627 min Scan# 1450
Delta R.T. -0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

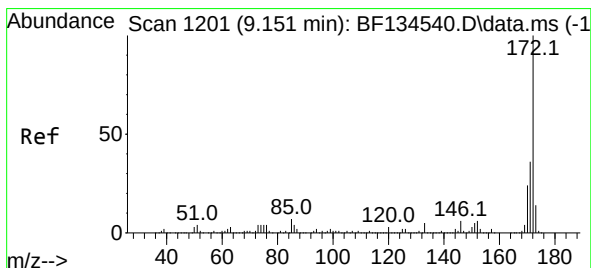
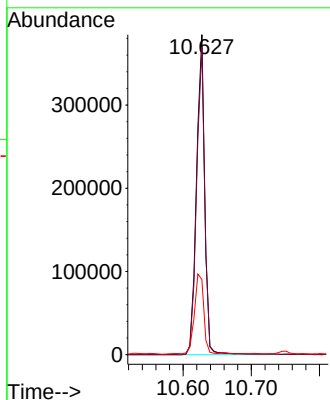
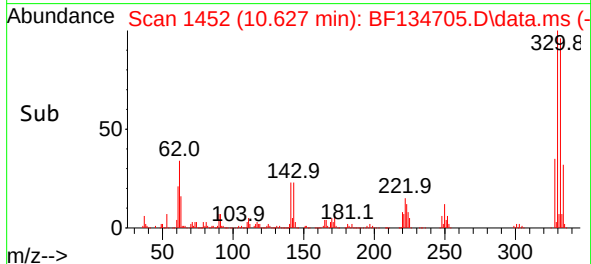
Instrument :
BNA_F
ClientSampleId :
B-PP21A



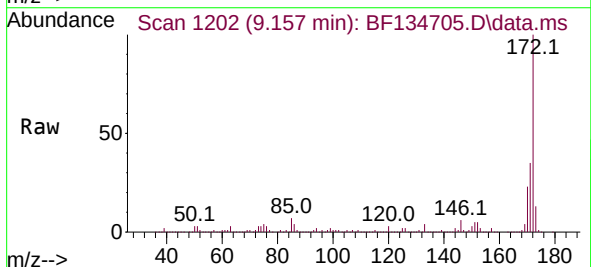
Tgt Ion: 330 Resp: 322100
Ion Ratio Lower Upper
330 100
332 95.3 78.8 118.2
141 28.6 25.4 38.2

Manual Integrations
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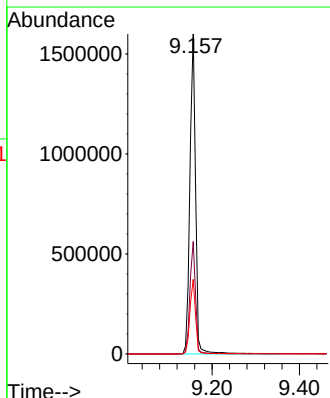
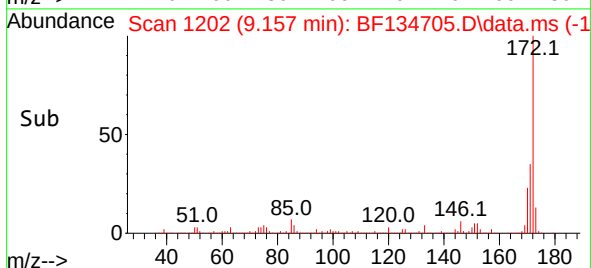
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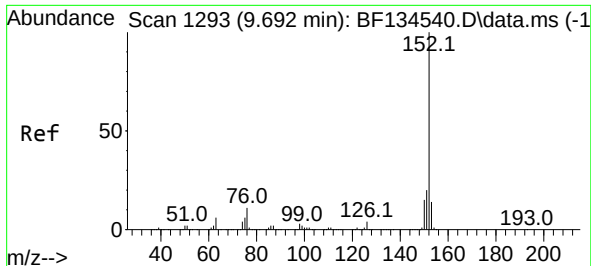


#45
2-Fluorobiphenyl
Concen: 62.613 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20



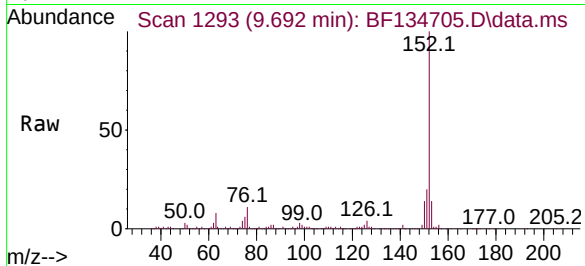
Tgt Ion: 172 Resp: 1446500
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.3 18.7 28.1





#49
Acenaphthylene
Concen: 3.650 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

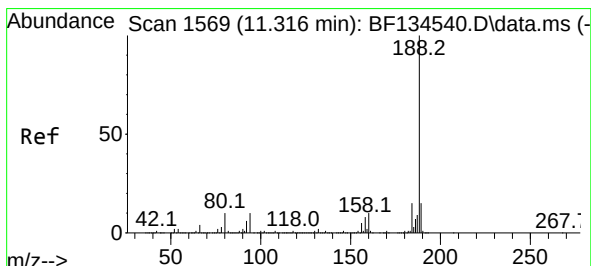
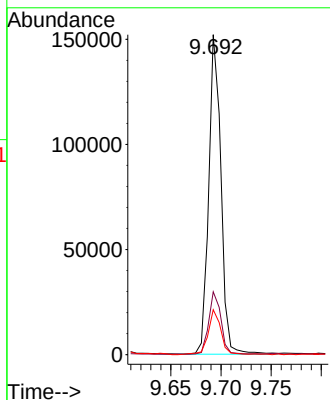
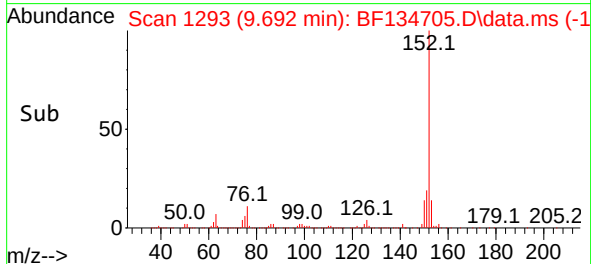
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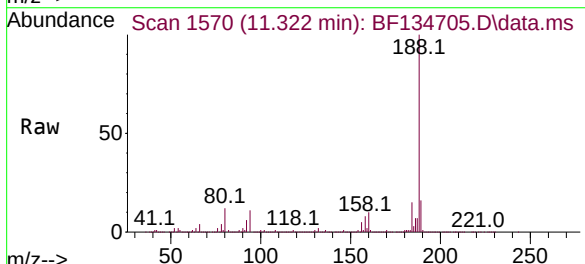
Tgt Ion:152 Resp: 128428
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 14.0 10.9 16.3

Manual Integrations
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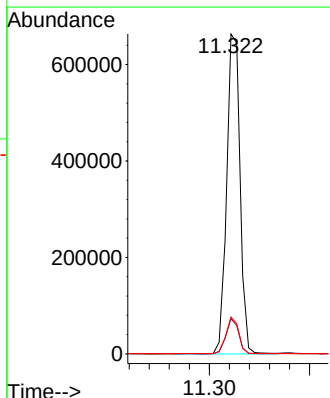
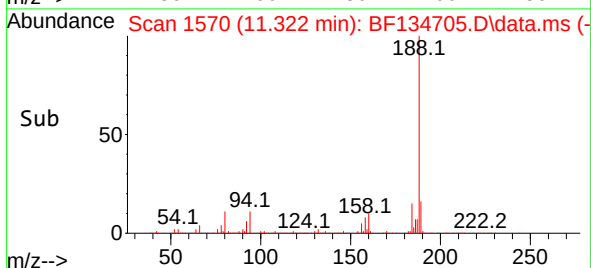
Reviewed By :Yogesh Patel 08/11/2023
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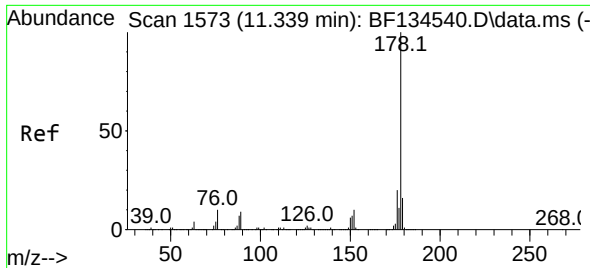


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20



Tgt Ion:188 Resp: 618574
Ion Ratio Lower Upper
188 100
94 11.0 5.1 7.7#
80 11.5 6.6 9.8#





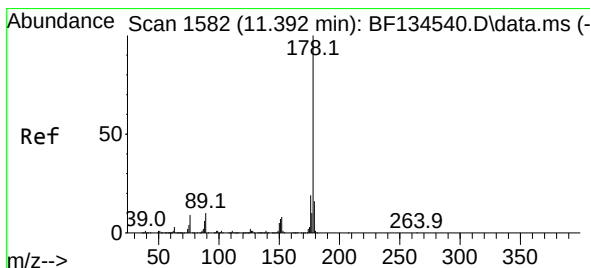
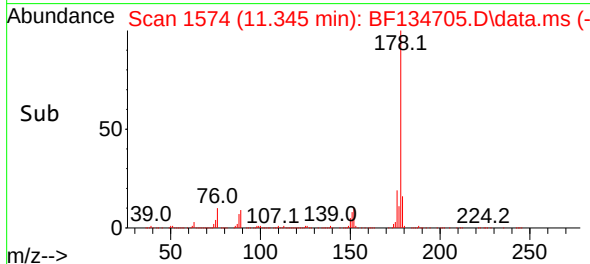
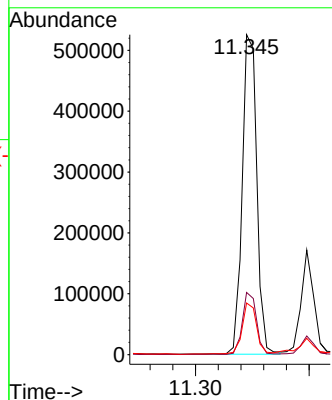
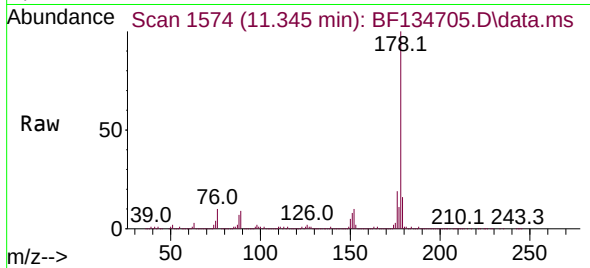
#71
Phenanthrene
Concen: 14.259 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

Instrument :
BNA_F
ClientSampleId :
B-PP21A

Tgt Ion:178 Resp: 468480
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 16.1 12.7 19.1

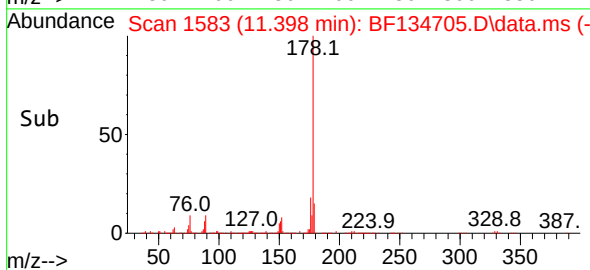
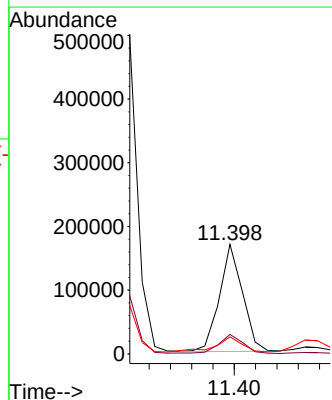
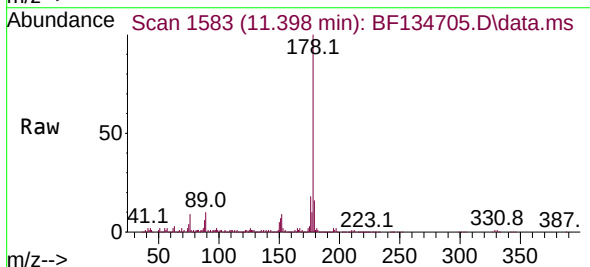
Manual Integrations
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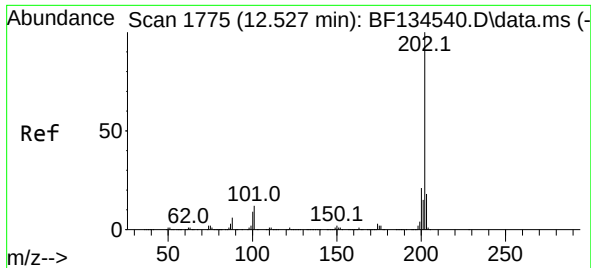
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#72
Anthracene
Concen: 3.785 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

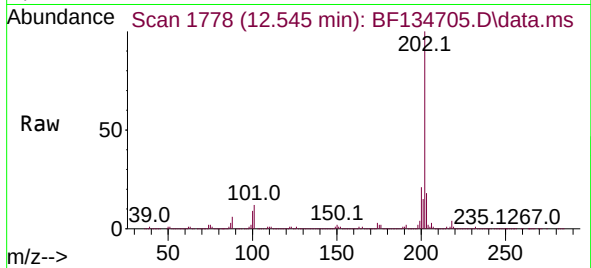
Tgt Ion:178 Resp: 127032
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 15.6 12.3 18.5





#75
Fluoranthene
Concen: 36.689 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

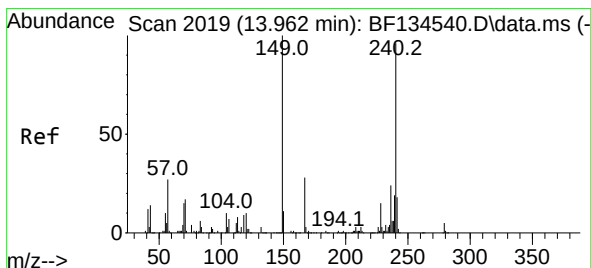
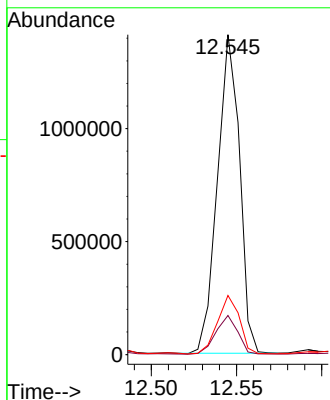
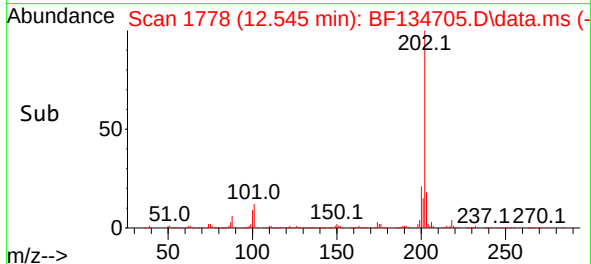
Instrument :
BNA_F
ClientSampleId :
B-PP21A



Tgt Ion:202 Resp: 1273328
Ion Ratio Lower Upper
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101 12.2 0.0 28.5
203 18.5 0.0 37.5

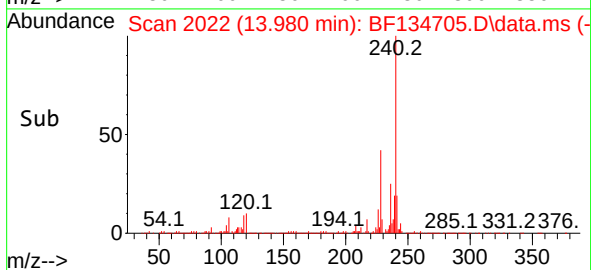
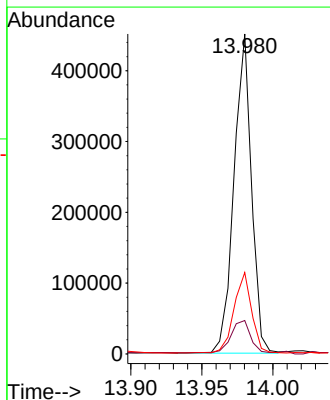
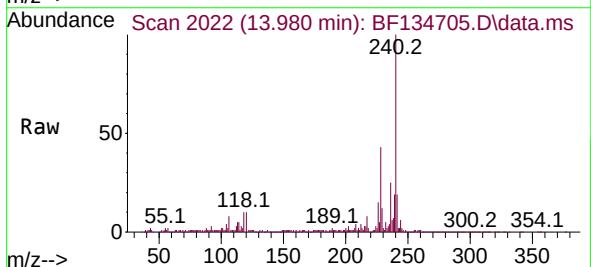
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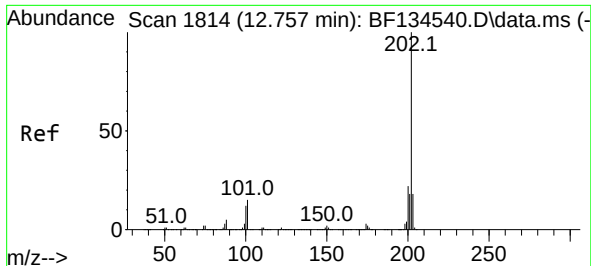
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

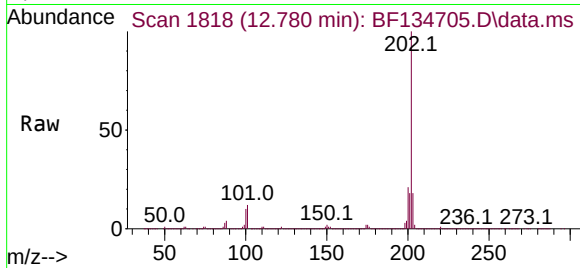
Tgt Ion:240 Resp: 385939
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.4 20.2 30.2





#78
Pyrene
Concen: 55.068 ng
RT: 12.780 min Scan# 1814
Delta R.T. 0.012 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

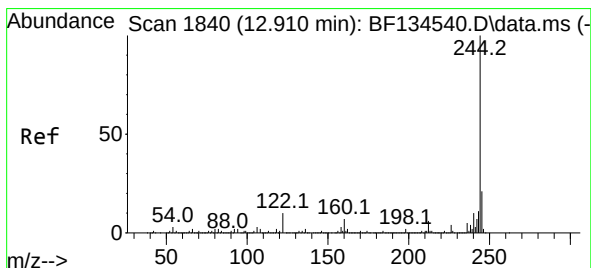
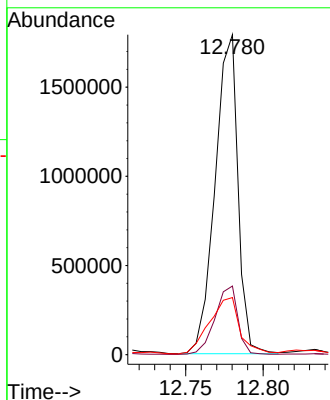
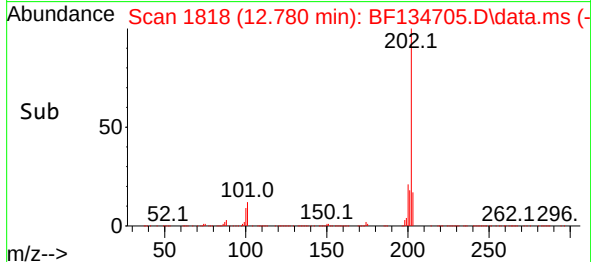
Instrument :
BNA_F
ClientSampleId :
B-PP21A



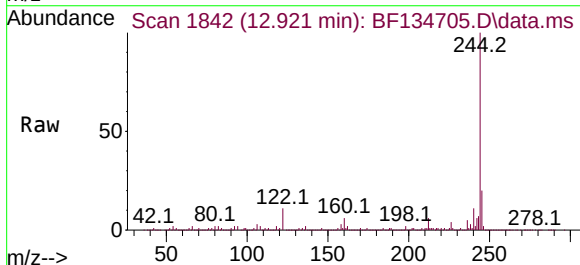
Tgt Ion:202 Resp: 1839034
Ion Ratio Lower Upper
202 100
200 21.4 15.8 23.8
203 17.8 13.5 20.3

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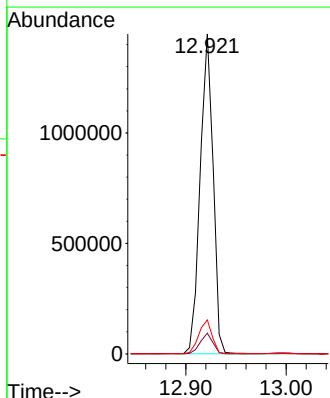
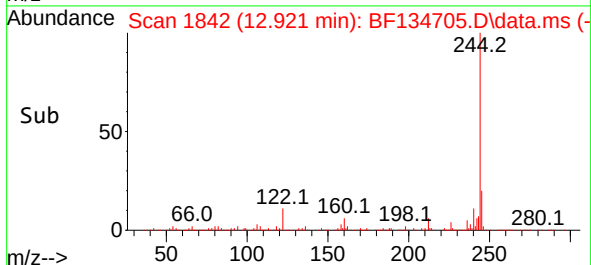
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

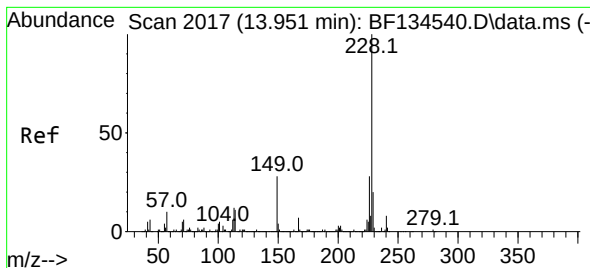


#79
Terphenyl-d14
Concen: 59.085 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20



Tgt Ion:244 Resp: 1293525
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 10.7 8.0 12.0





#81

Benzo(a)anthracene

Concen: 37.913 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

Tgt Ion:228 Resp: 1046265

Ion Ratio Lower Upper

228 100

226 31.4 22.3 33.5

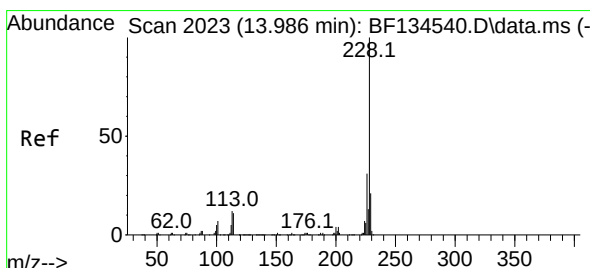
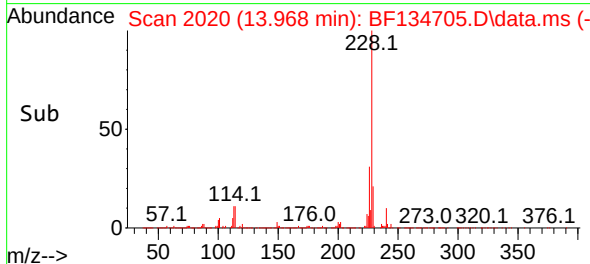
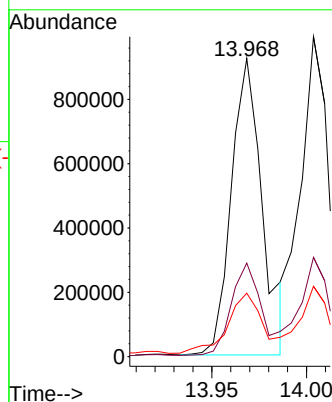
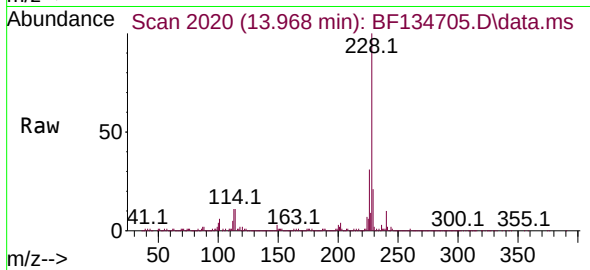
229 21.3 15.8 23.6

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#83

Chrysene

Concen: 36.761 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

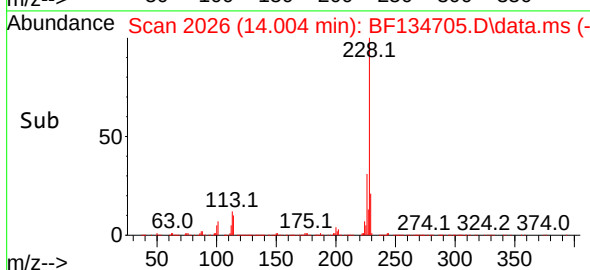
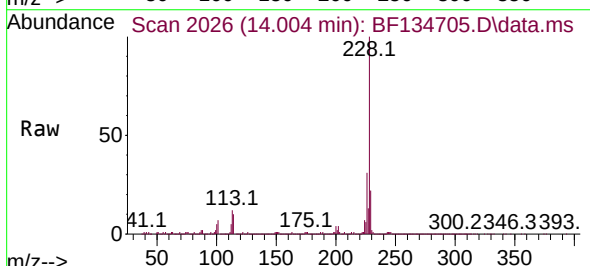
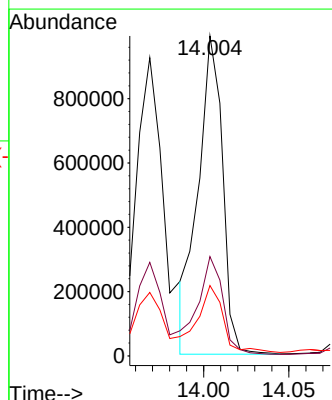
Tgt Ion:228 Resp: 988368

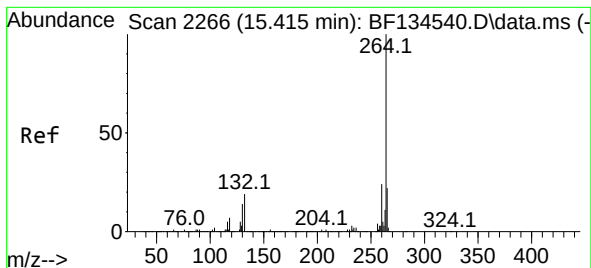
Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

229 22.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2266

Delta R.T. 0.012 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

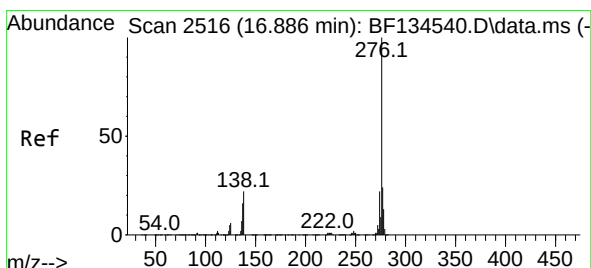
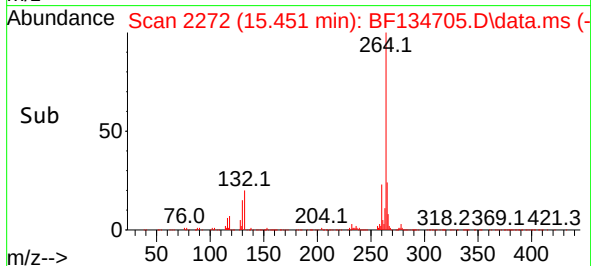
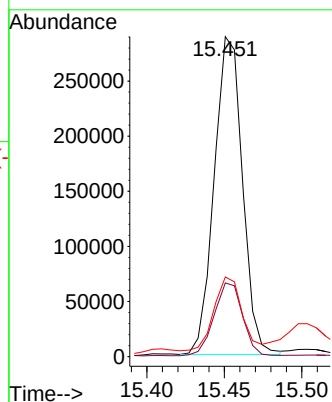
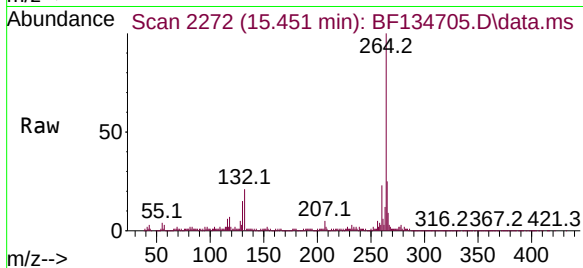
B-PP21A

Tgt Ion:264	Resp:	366382
Ion Ratio	Lower	Upper
264	100	
260	23.0	18.4 27.6
265	24.9	15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.034 ng

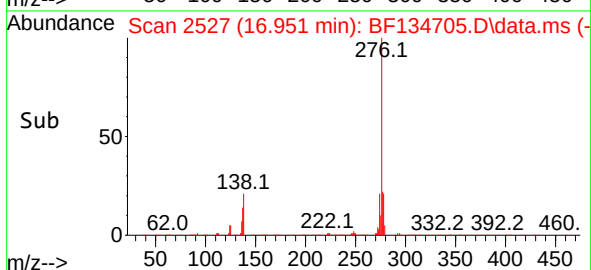
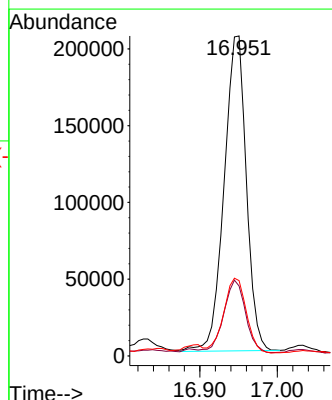
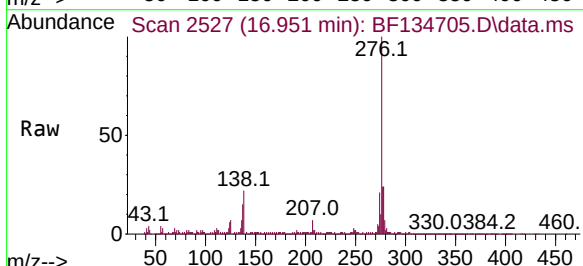
RT: 16.951 min Scan# 2527

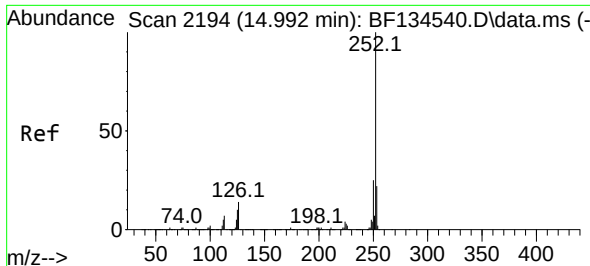
Delta R.T. 0.023 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

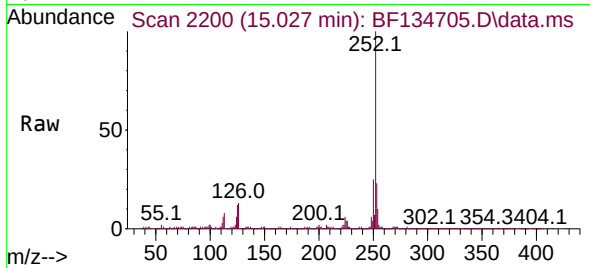
Tgt Ion:276	Resp:	410143
Ion Ratio	Lower	Upper
276	100	
138	22.5	14.2 21.4
277	23.8	19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 40.808 ng m
RT: 15.027 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20

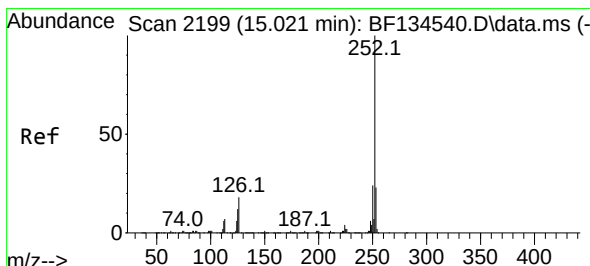
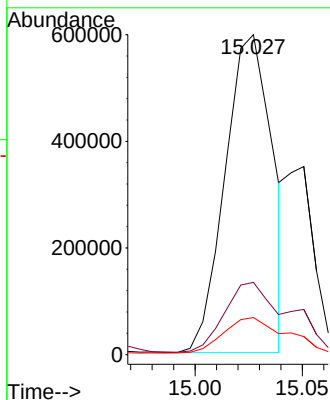
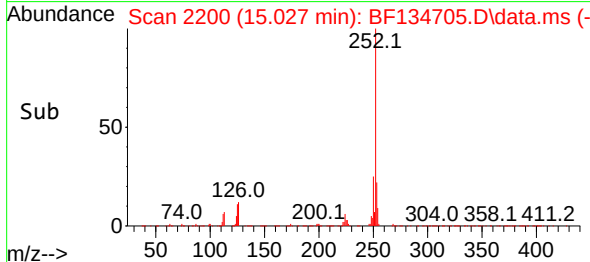
Instrument :
BNA_F
ClientSampleId :
B-PP21A



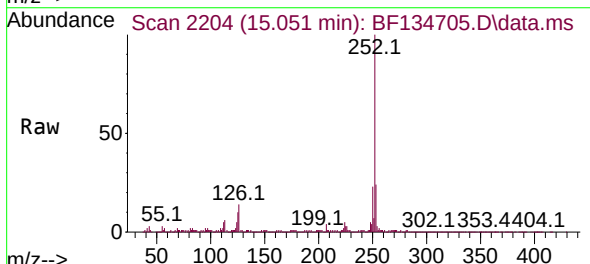
Tgt Ion:252 Resp: 911873
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 11.6 6.0 9.0

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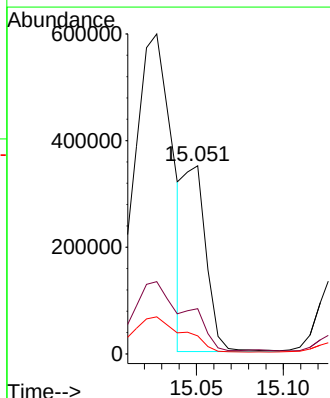
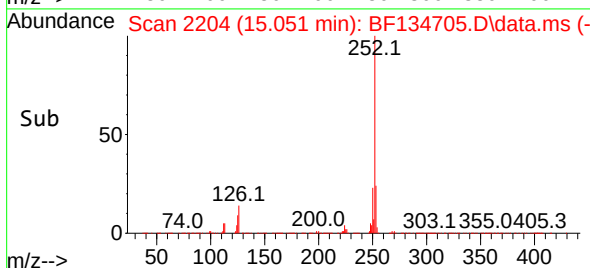
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

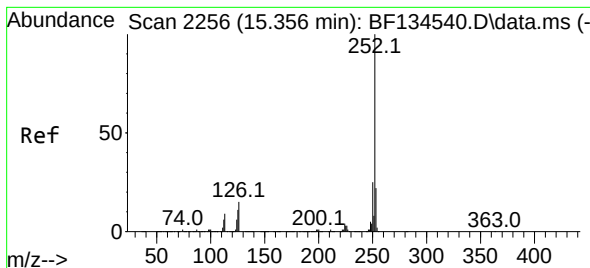


#89
Benzo(k)fluoranthene
Concen: 14.036 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.012 min
Lab File: BF134705.D
Acq: 10 Aug 2023 12:20



Tgt Ion:252 Resp: 312438
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 9.6 6.3 9.5





#90

Benzo(a)pyrene

Concen: 37.597 ng

RT: 15.392 min Scan# 2256

Delta R.T. 0.012 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

Instrument :

BNA_F

ClientSampleId :

B-PP21A

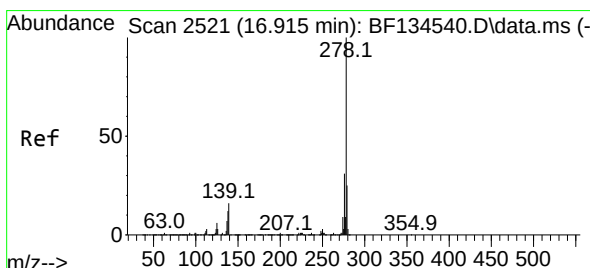
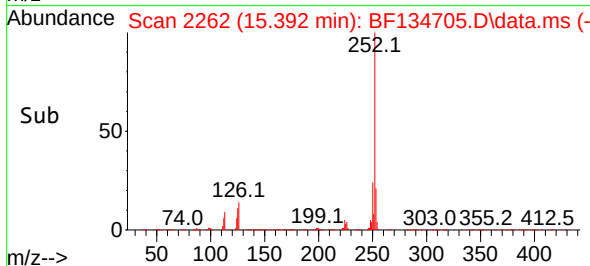
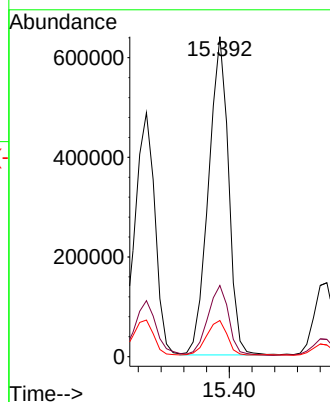
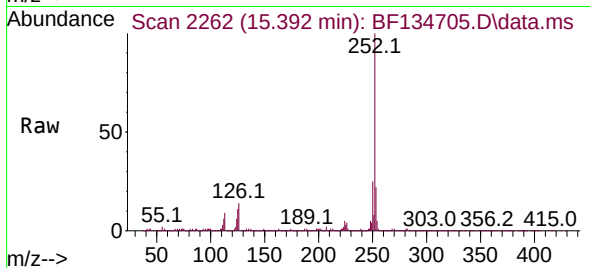
Tgt Ion:	252	Resp:	783305
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.4
125	11.3	6.2	9.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#91

Dibenzo(a,h)anthracene

Concen: 6.409 ng

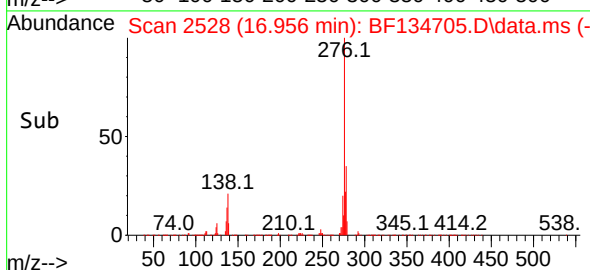
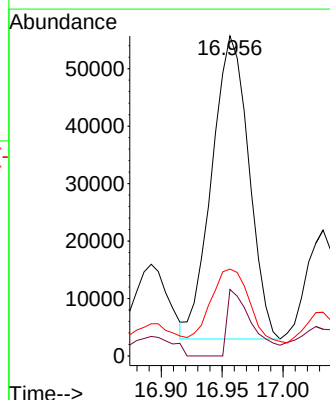
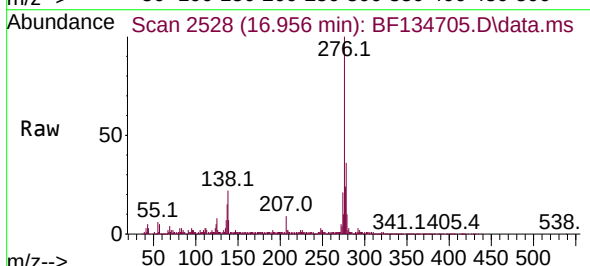
RT: 16.956 min Scan# 2528

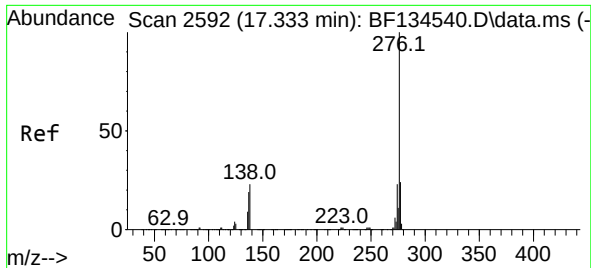
Delta R.T. 0.006 min

Lab File: BF134705.D

Acq: 10 Aug 2023 12:20

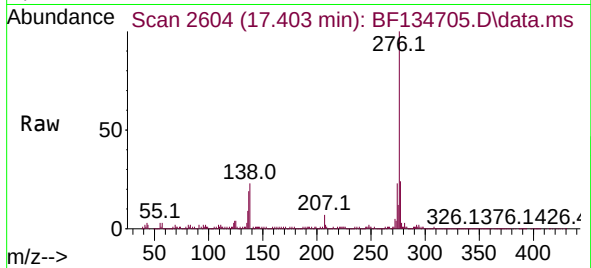
Tgt Ion:	278	Resp:	111605
Ion Ratio	Lower	Upper	
278	100		
139	20.8	10.0	15.0
279	27.1	19.7	29.5





#92
 Benzo(g,h,i)perylene
 Concen: 25.340 ng
 RT: 17.403 min Scan# 2604
 Delta R.T. 0.029 min
 Lab File: BF134705.D
 Acq: 10 Aug 2023 12:20

Instrument :
 BNA_F
 ClientSampleId :
 B-PP21A



Tgt Ion: 276 Resp: 45012

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.6
138	23.1	12.2	18.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

