

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134633.D
 Acq On : 04 Aug 2023 15:24
 Operator : CG\JU
 Sample : 03840-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-B-19-(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023

Quant Time: Aug 05 00:06:59 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	178398	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	659283	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	264794	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	411096	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	401005	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	305864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	685445	58.406	ng	0.00
7) Phenol-d6	6.428	99	839842	55.981	ng	-0.01
23) Nitrobenzene-d5	7.357	82	472815	44.818	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	148166	54.890	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	724007	45.462	ng	-0.01
79) Terphenyl-d14	12.916	244	712071	31.303	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	339964	15.569	ng	98
72) Anthracene	11.392	178	130771	5.863	ng	98
75) Fluoranthene	12.539	202	1197405	51.913	ng	97
78) Pyrene	12.769	202	1176908	33.917	ng	97
81) Benzo(a)anthracene	13.957	228	697795	24.336	ng	94
83) Chrysene	13.998	228	593659	21.251	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	201069	11.178	ng	# 95
88) Benzo(b)fluoranthene	15.010	252	611874m	32.801	ng	
89) Benzo(k)fluoranthene	15.033	252	181215m	9.752	ng	
90) Benzo(a)pyrene	15.374	252	397604	22.860	ng	# 95
91) Dibenzo(a,h)anthracene	16.927	278	49359	3.395	ng	# 85
92) Benzo(g,h,i)perylene	17.362	276	181829	12.261	ng	# 92

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

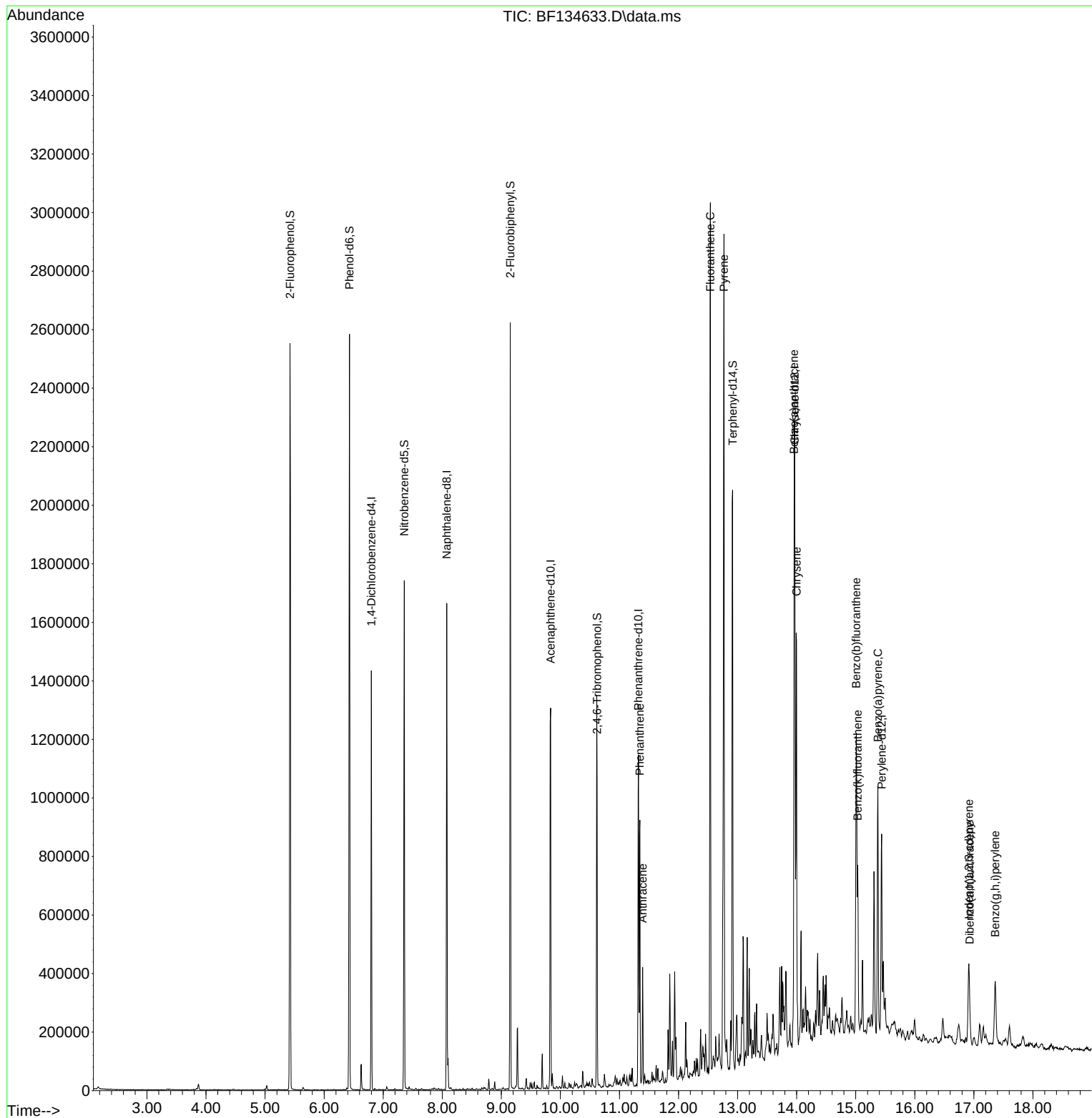
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
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Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

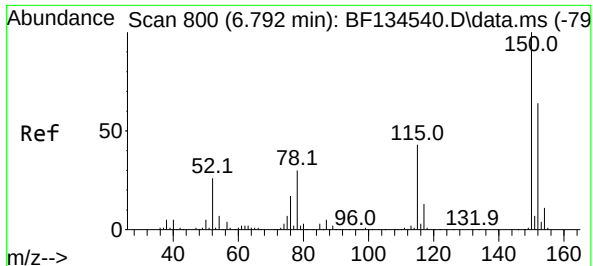
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Quant Time: Aug 05 00:06:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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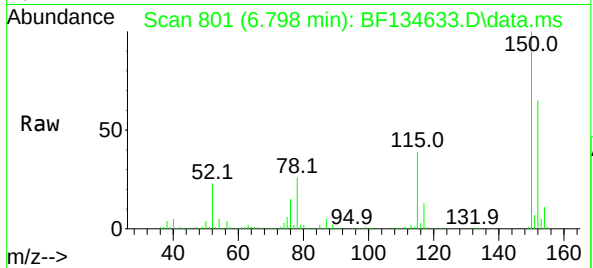
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

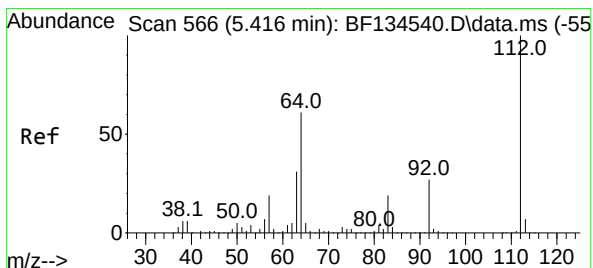
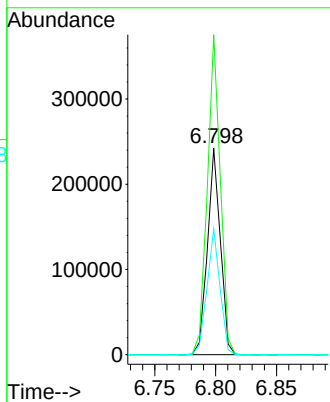
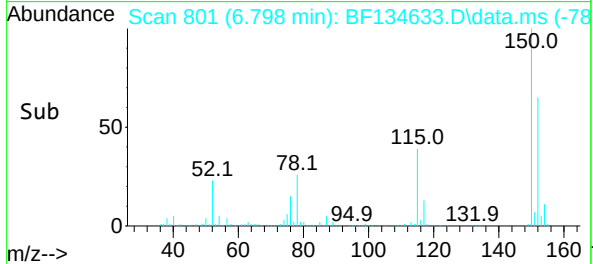
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:152 Resp: 178398
Ion Ratio Lower Upper
152 100
150 155.0 128.3 192.5
115 61.0 52.4 78.6

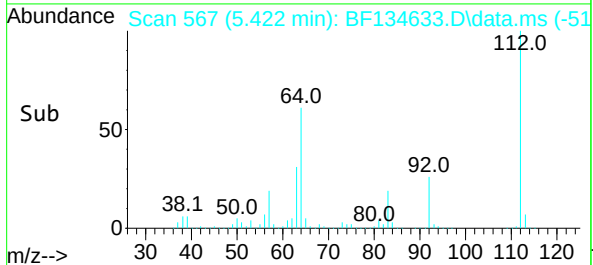
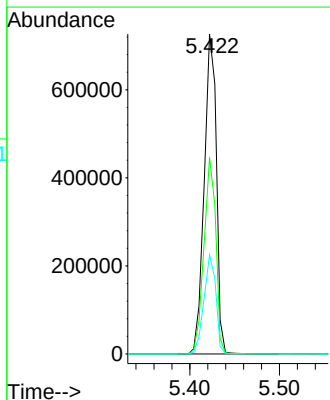
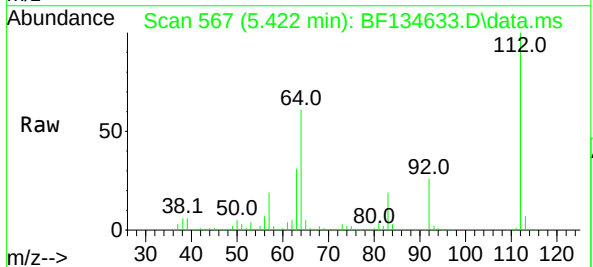
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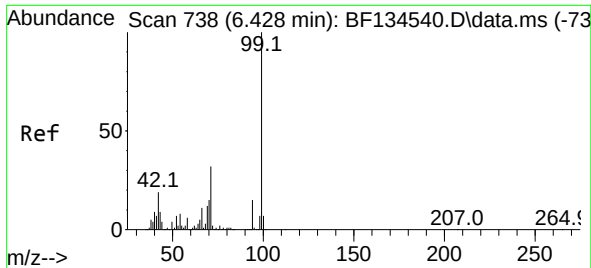
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#5
2-Fluorophenol
Concen: 58.406 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

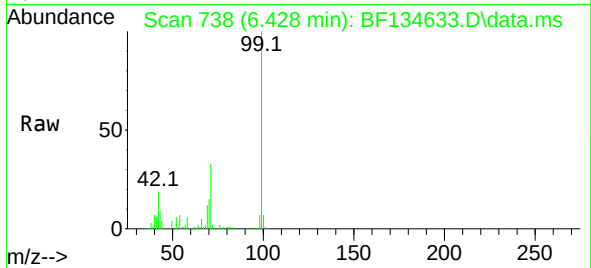
Tgt Ion:112 Resp: 685445
Ion Ratio Lower Upper
112 100
64 61.4 44.9 67.3
63 31.0 25.4 38.0





#7
Phenol-d6
Concen: 55.981 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

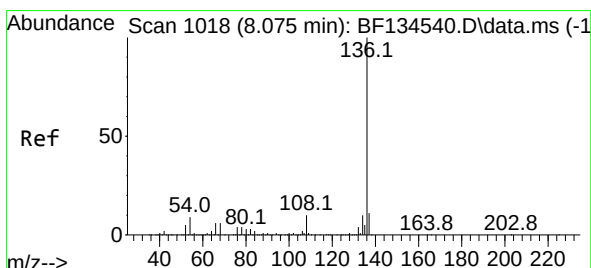
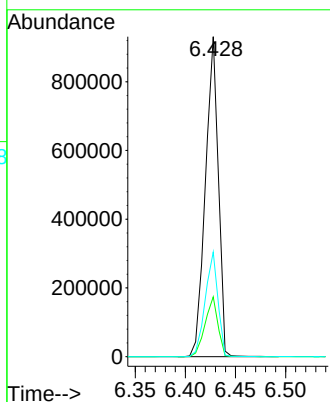
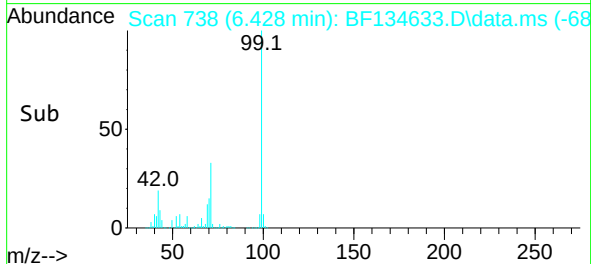
Instrument :
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Tgt Ion: 99 Resp: 839842
Ion Ratio Lower Upper
99 100
42 18.7 18.7 28.1#
71 32.7 36.4 54.6#

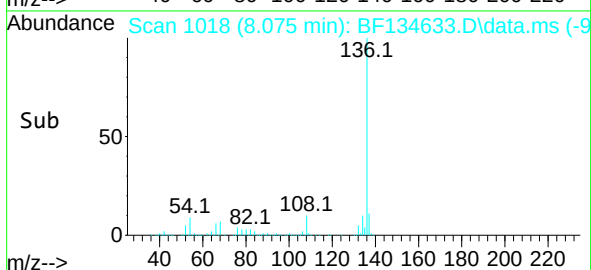
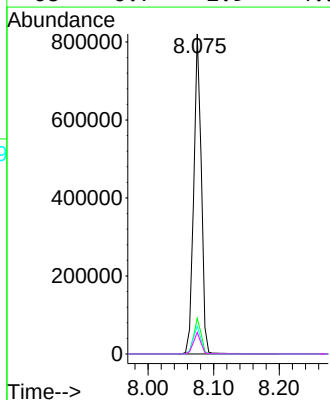
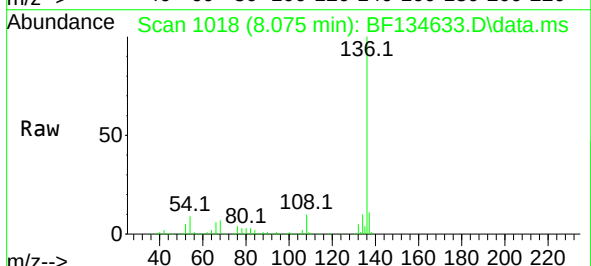
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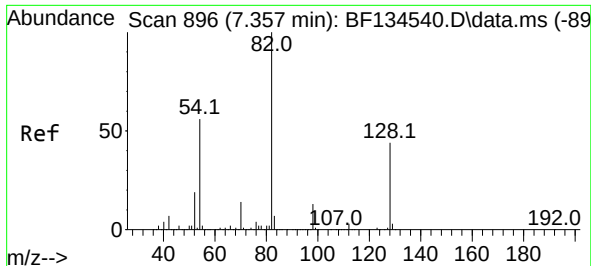
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion:136 Resp: 659283
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.8 5.2 7.8#
68 6.7 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 44.818 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134633.D

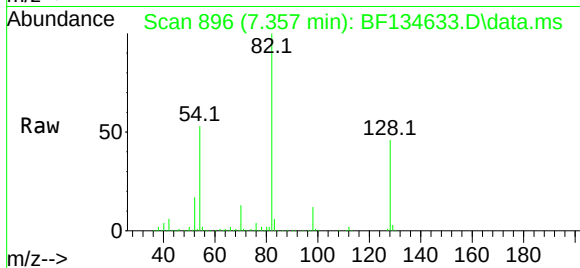
Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)



Tgt Ion: 82 Resp: 472815

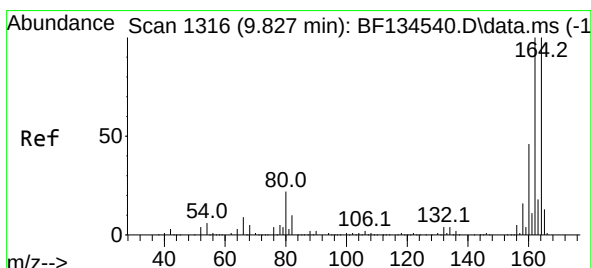
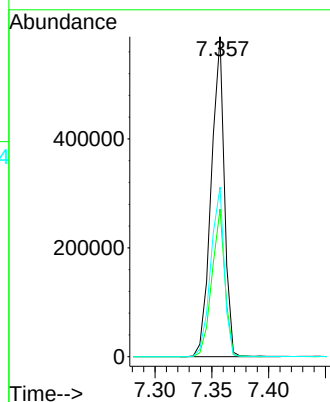
Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.3	51.5
54	53.0	43.8	65.6

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Supervised By :mohammad ahmed 08/07/2023



#39

Acenaphthene-d10

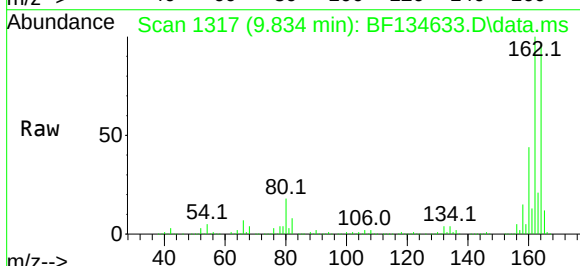
Concen: 20.000 ng

RT: 9.834 min Scan# 1317

Delta R.T. 0.000 min

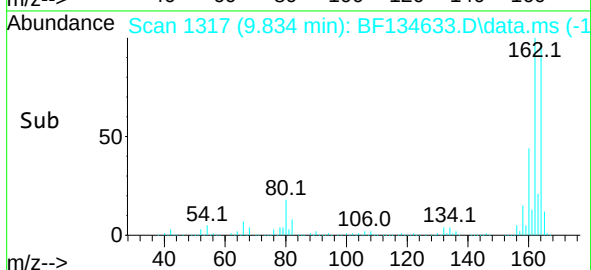
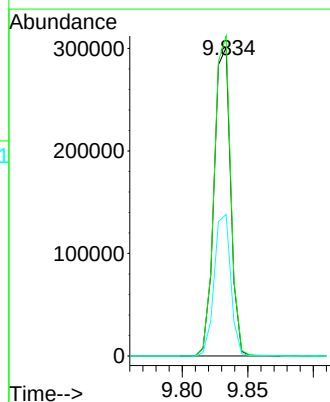
Lab File: BF134633.D

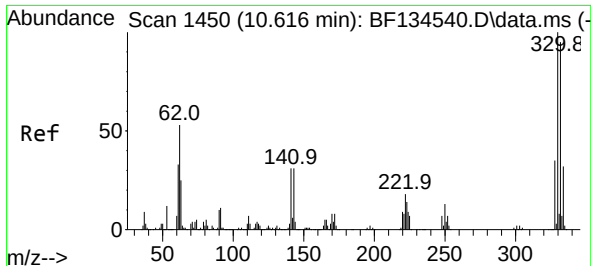
Acq: 04 Aug 2023 15:24



Tgt Ion:164 Resp: 264794

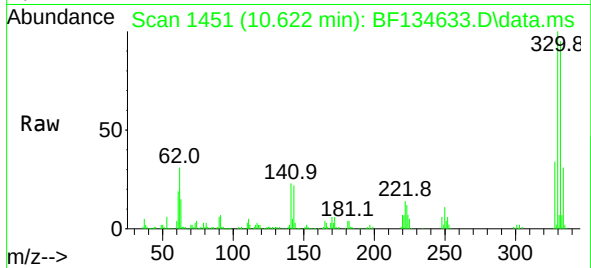
Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	45.9	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 54.890 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

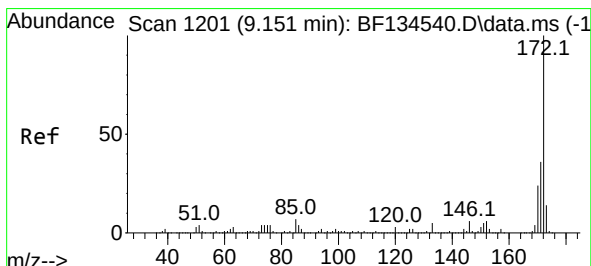
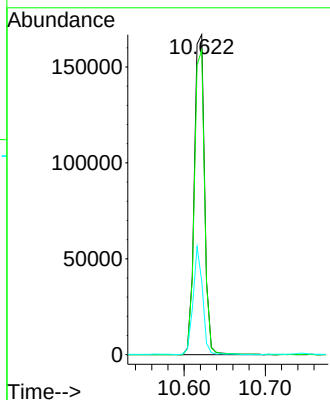
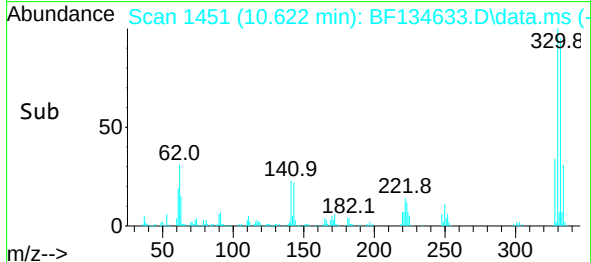
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



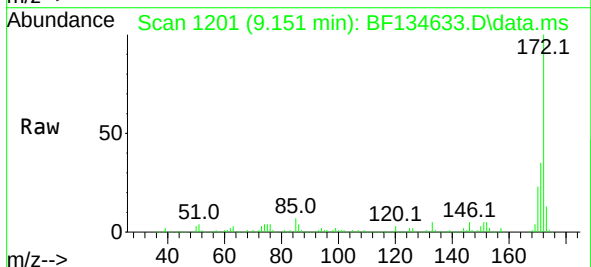
Tgt Ion: 330 Resp: 148160
Ion Ratio Lower Upper
330 100
332 94.5 78.8 118.2
141 31.2 25.4 38.2

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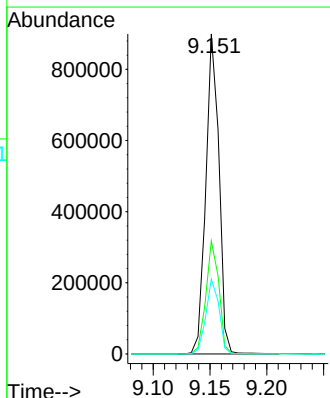
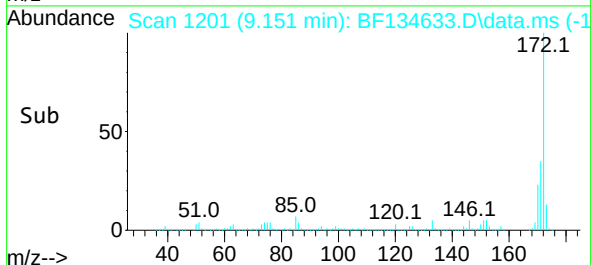
Reviewed By : Yogesh Patel 08/07/2023
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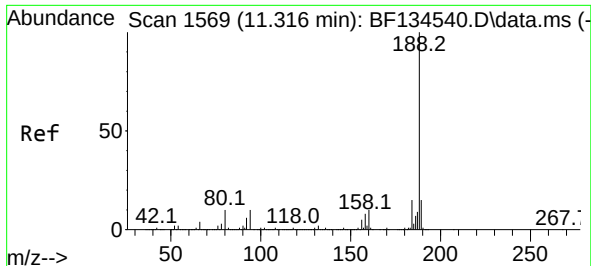


#45
2-Fluorobiphenyl
Concen: 45.462 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24



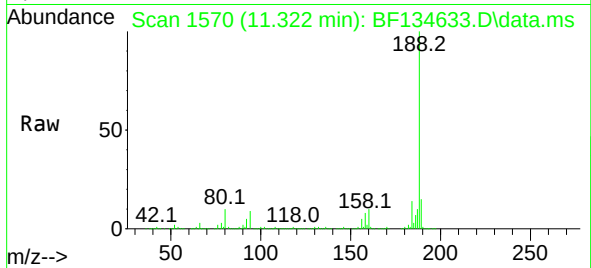
Tgt Ion: 172 Resp: 724007
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.4 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

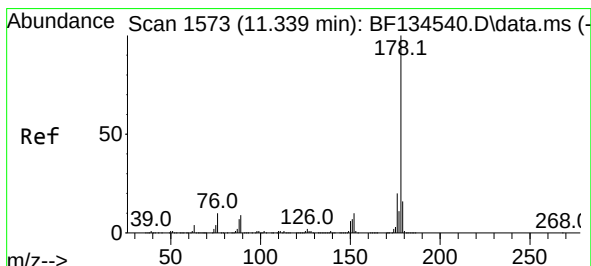
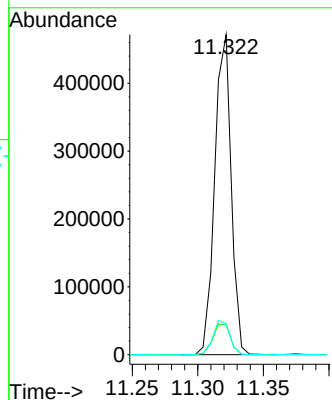
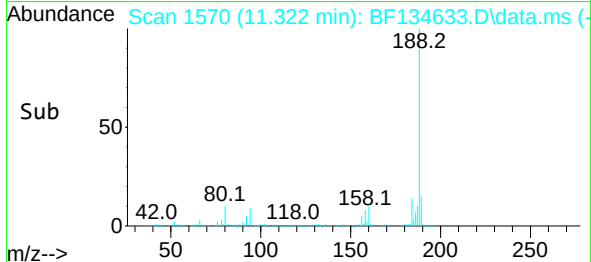
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:188 Resp: 411090
Ion Ratio Lower Upper
188 100
94 9.4 5.1 7.7
80 9.8 6.6 9.8

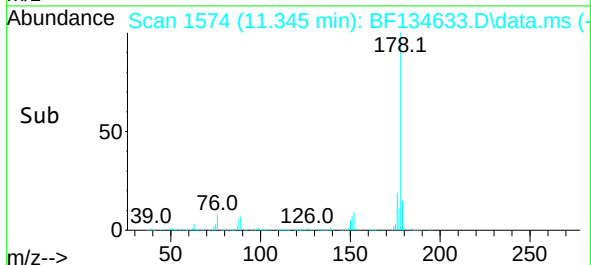
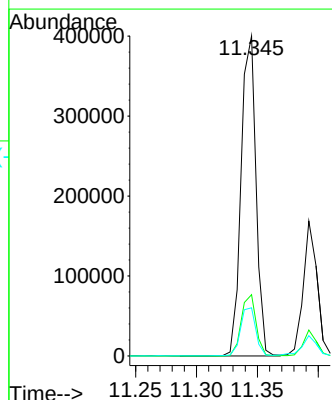
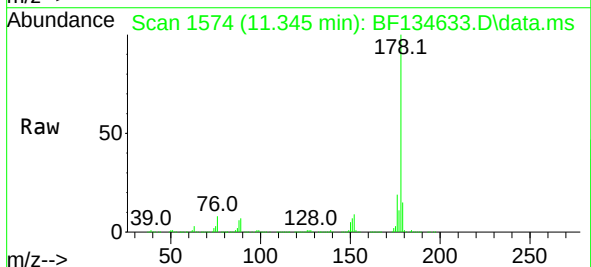
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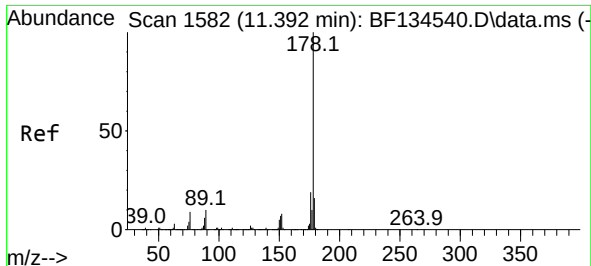
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#71
Phenanthrene
Concen: 15.569 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

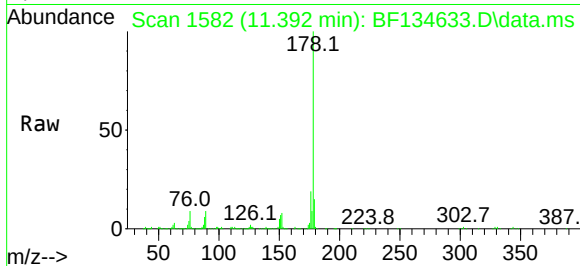
Tgt Ion:178 Resp: 339964
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.0 12.7 19.1





#72
 Anthracene
 Concen: 5.863 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134633.D
 Acq: 04 Aug 2023 15:24

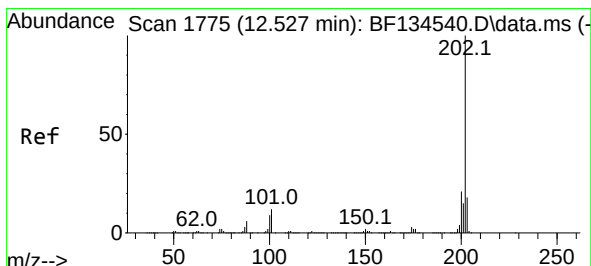
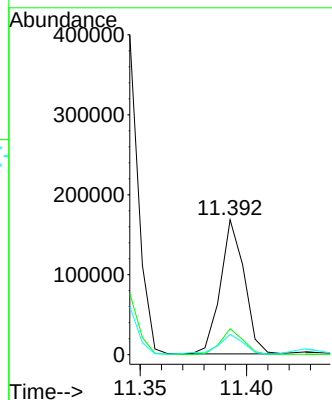
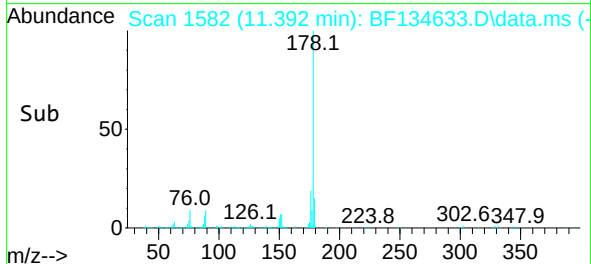
Instrument :
 BNA_F
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 BUILDING-B-19-(0-5)



Tgt Ion:178 Resp: 130777
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.6 21.8
 179 15.1 12.3 18.5

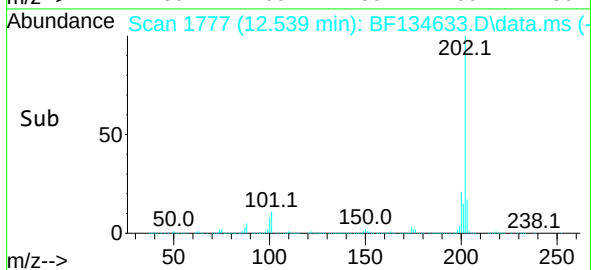
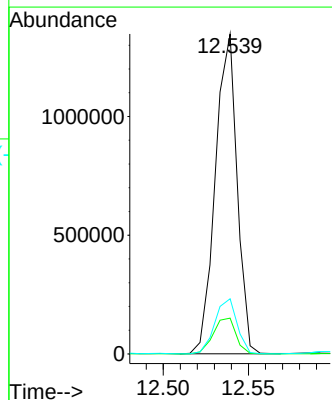
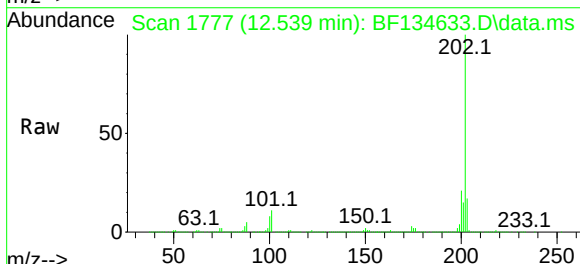
Manual Integrations
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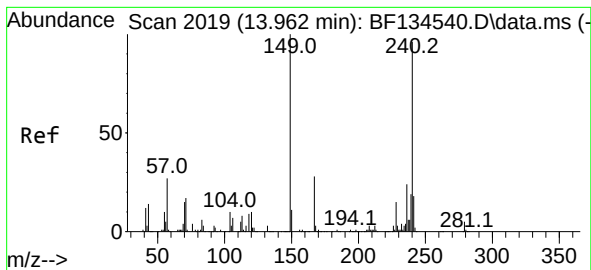
Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023



#75
 Fluoranthene
 Concen: 51.913 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF134633.D
 Acq: 04 Aug 2023 15:24

Tgt Ion:202 Resp: 1197405
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 28.5
 203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

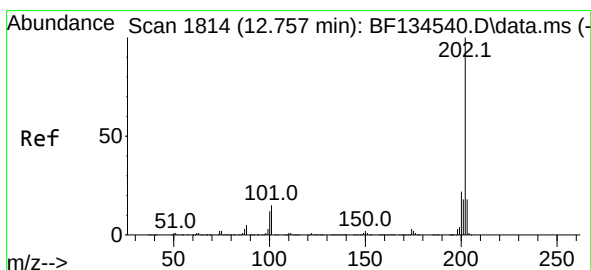
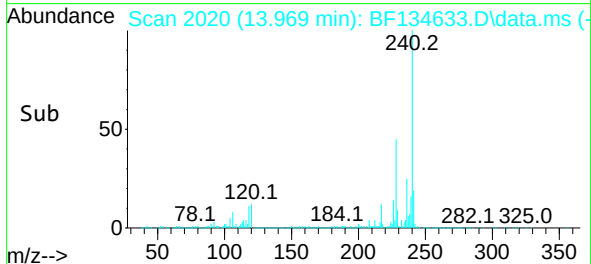
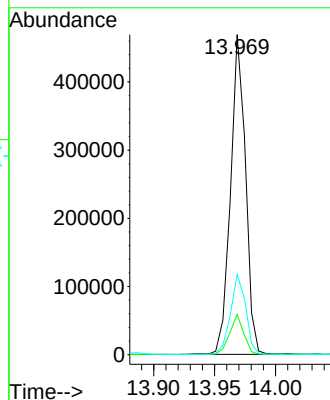
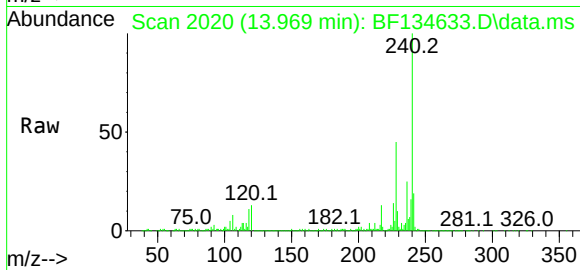
Tgt Ion:240 Resp: 401000
 Ion Ratio Lower Upper
 240 100
 120 12.5 6.6 10.0
 236 25.1 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#78

Pyrene

Concen: 33.917 ng

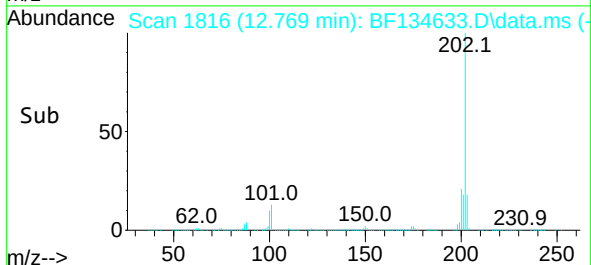
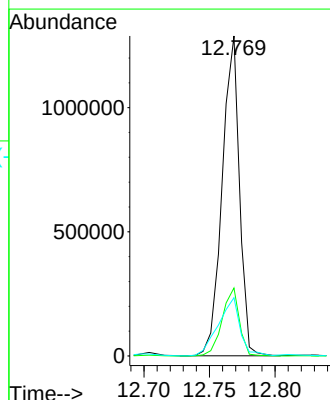
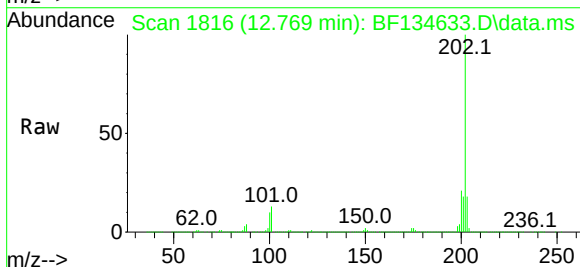
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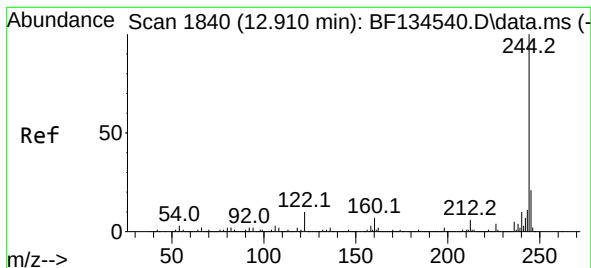
Delta R.T. 0.000 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Tgt Ion:202 Resp: 1176908
 Ion Ratio Lower Upper
 202 100
 200 21.3 15.8 23.8
 203 18.2 13.5 20.3





#79

Terphenyl-d14

Concen: 31.303 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

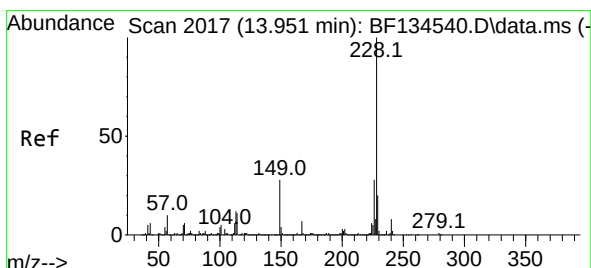
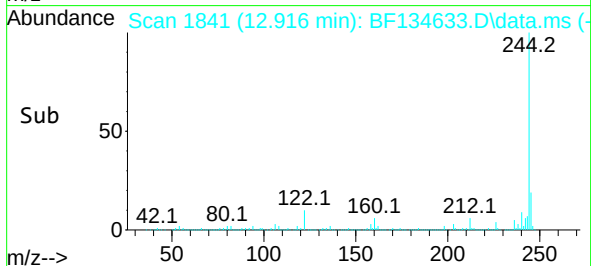
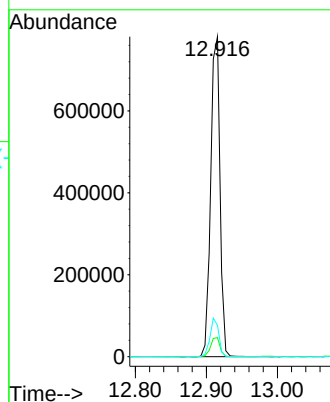
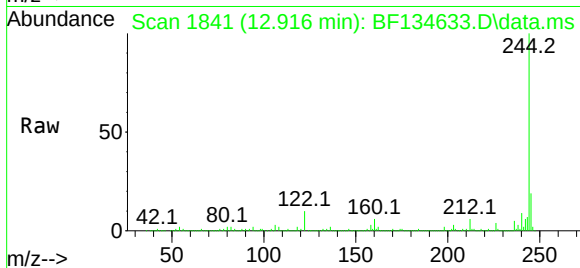
Tgt Ion:244 Resp: 71207
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.6 8.4
 122 9.8 8.0 12.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#81

Benzo(a)anthracene

Concen: 24.336 ng

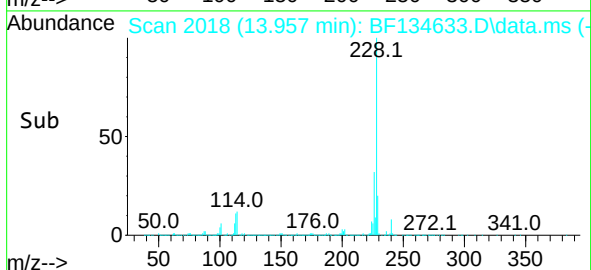
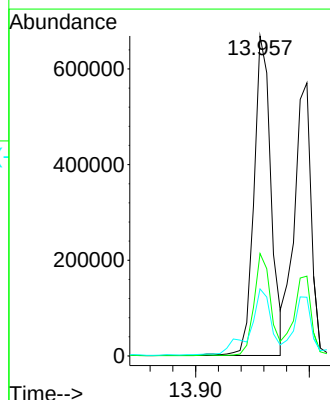
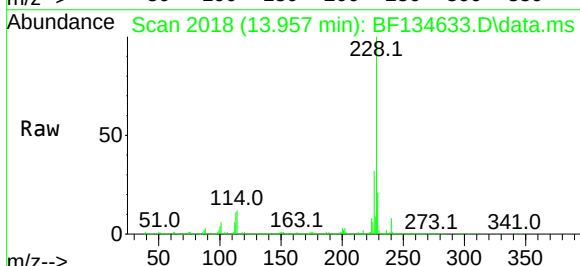
RT: 13.957 min Scan# 2018

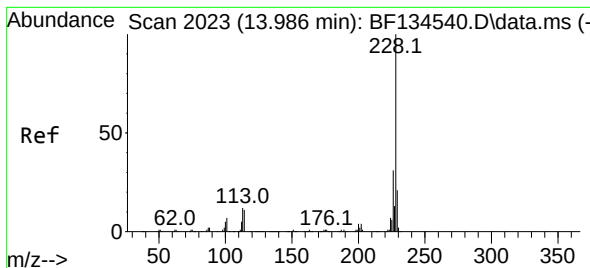
Delta R.T. -0.006 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Tgt Ion:228 Resp: 697795
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.3 33.5
 229 21.0 15.8 23.6





#83

Chrysene

Concen: 21.251 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

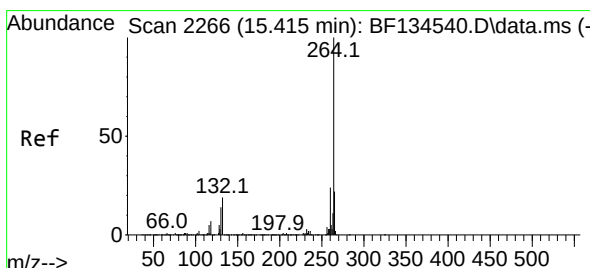
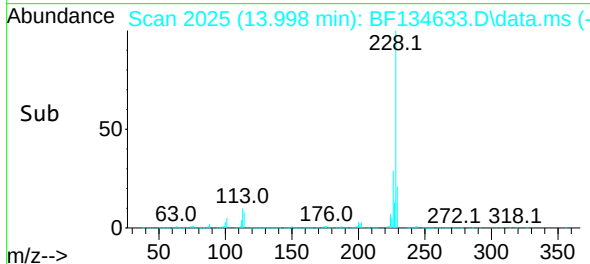
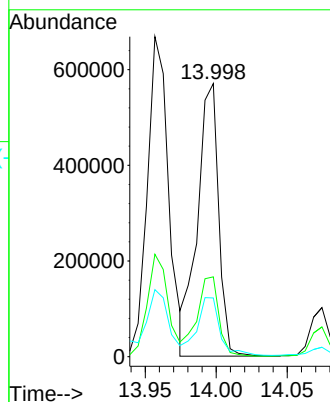
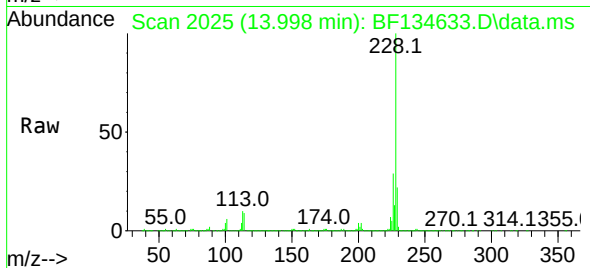
Tgt Ion:228 Resp: 593659
 Ion Ratio Lower Upper
 228 100
 226 29.2 24.5 36.7
 229 21.5 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#86

Perylene-d12

Concen: 20.000 ng

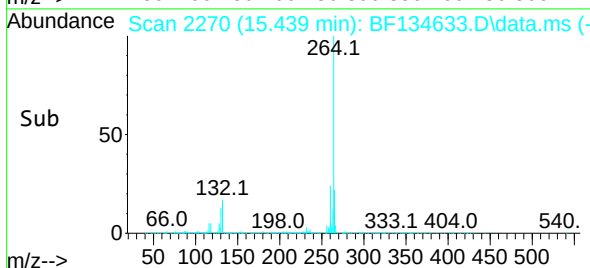
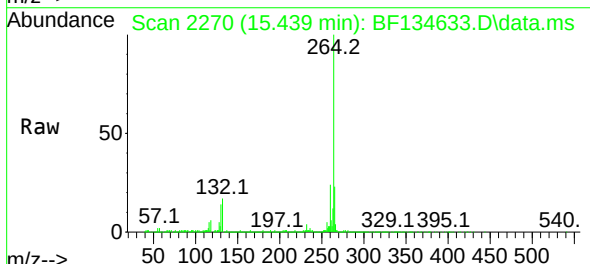
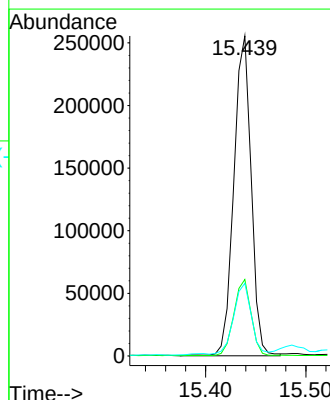
RT: 15.439 min Scan# 2270

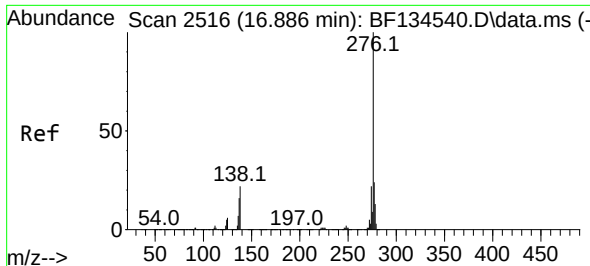
Delta R.T. 0.000 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

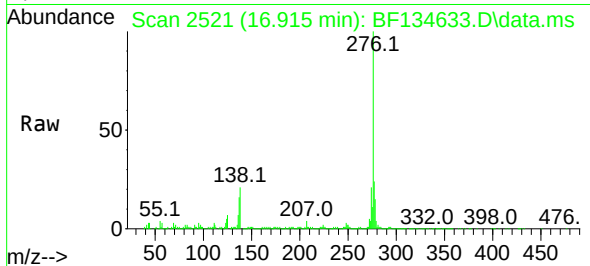
Tgt Ion:264 Resp: 305864
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.4 27.6
 265 22.7 15.8 23.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.178 ng
RT: 16.915 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

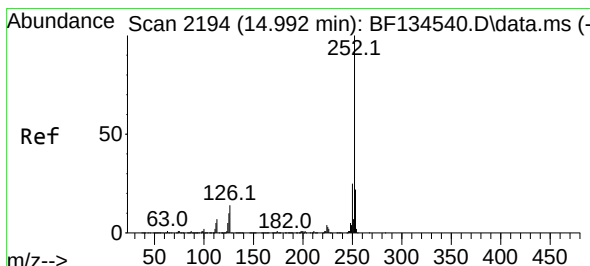
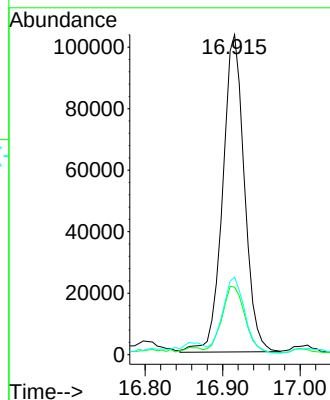
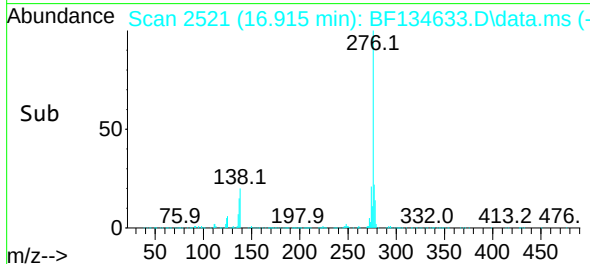
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:276 Resp: 201069
Ion Ratio Lower Upper
276 100
138 22.4 14.2 21.4
277 24.3 19.9 29.9

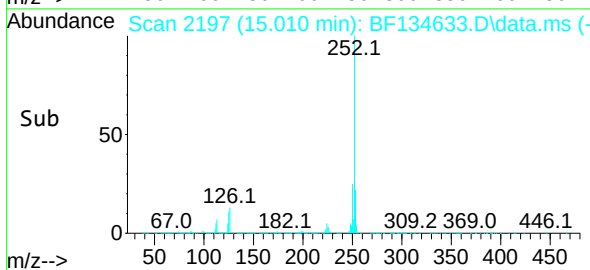
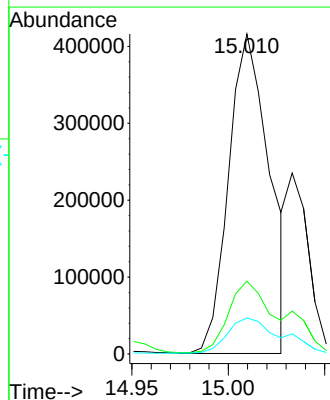
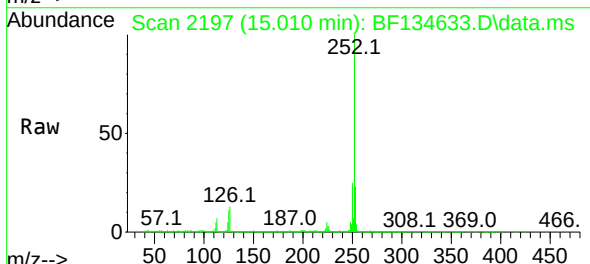
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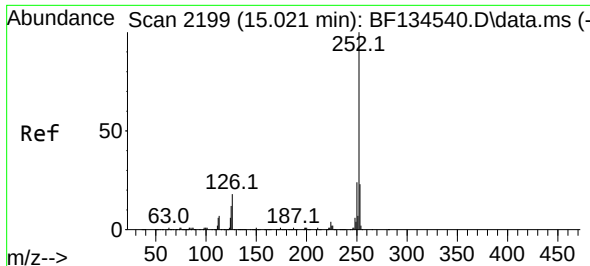
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#88
Benzo(b)fluoranthene
Concen: 32.801 ng m
RT: 15.010 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

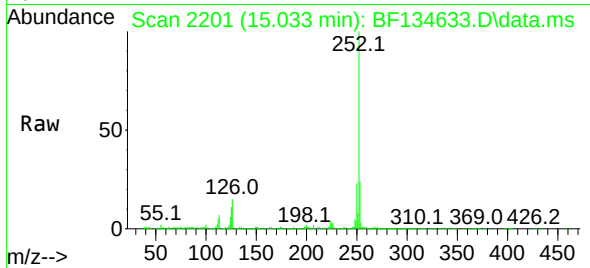
Tgt Ion:252 Resp: 611874
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.2 6.0 9.0#





#89
Benzo(k)fluoranthene
Concen: 9.752 ng m
RT: 15.033 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

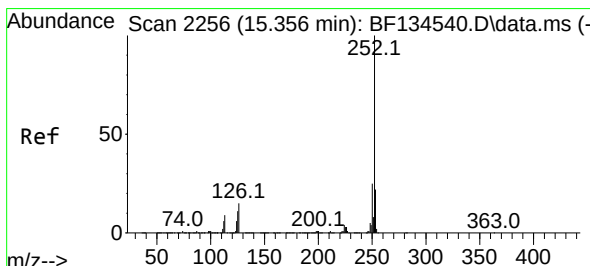
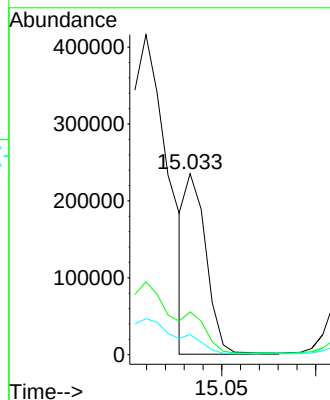
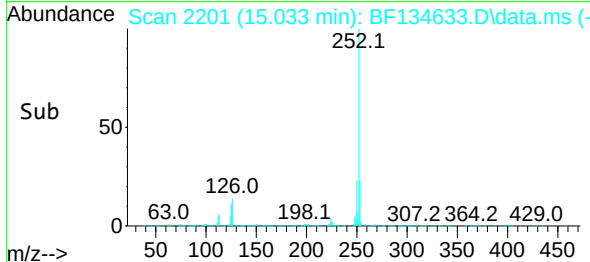
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion:252 Resp: 181215
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 11.1 6.3 9.5

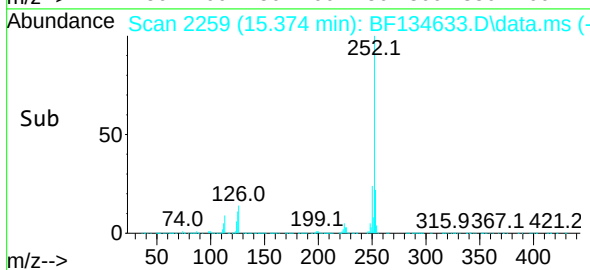
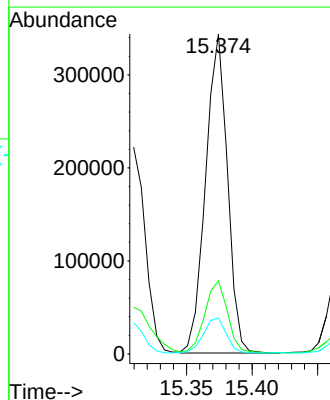
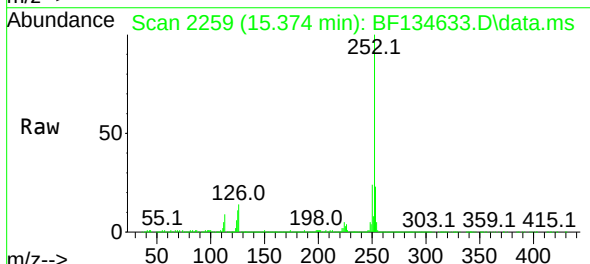
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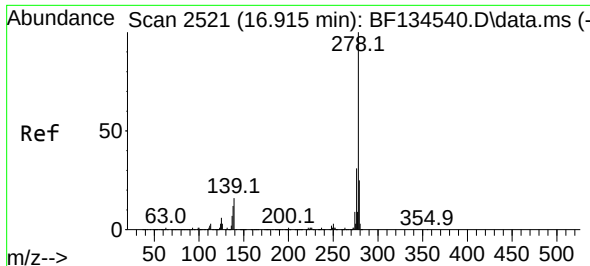
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#90
Benzo(a)pyrene
Concen: 22.860 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

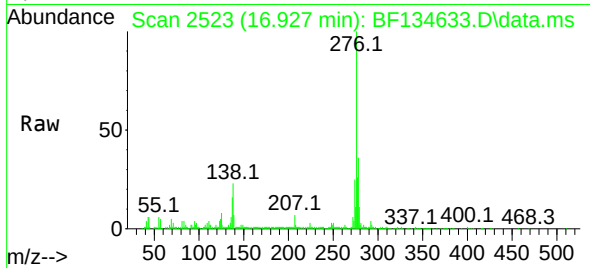
Tgt Ion:252 Resp: 397604
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 11.2 6.2 9.4





#91
Dibenzo(a,h)anthracene
Concen: 3.395 ng
RT: 16.927 min Scan# 2521
Delta R.T. -0.023 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

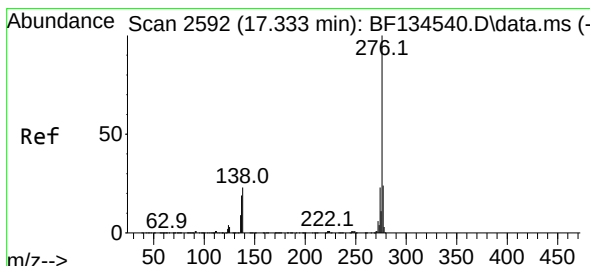
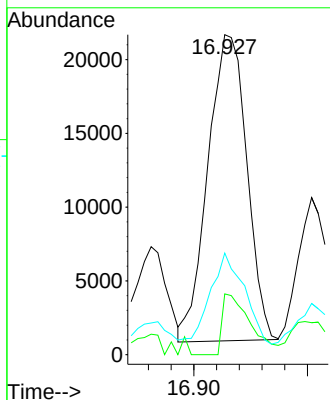
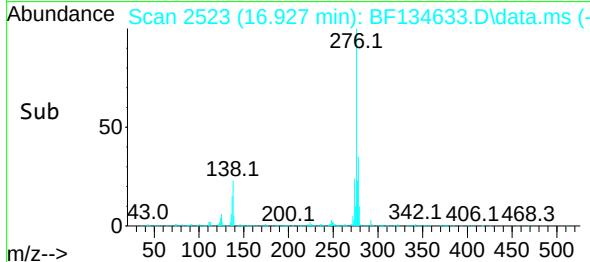
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)



Tgt Ion: 278 Resp: 49359
Ion Ratio Lower Upper
278 100
139 19.0 10.0 15.0
279 31.7 19.7 29.5

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/07/2023
Supervised By : mohammad ahmed 08/07/2023



#92
Benzo(g,h,i)perylene
Concen: 12.261 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.012 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion: 276 Resp: 181829
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.6
138 23.3 12.2 18.2

