

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134717.D
 Acq On : 10 Aug 2023 19:31
 Operator : CG\JU
 Sample : 03955-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-23

Manual Integrations
 APPROVED

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

Quant Time: Aug 11 03:57:01 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	190146	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	727385	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	339899	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	538871	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	364654	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	323783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	714121	57.090	ng	0.00
7) Phenol-d6	6.434	99	915106	57.230	ng	0.00
23) Nitrobenzene-d5	7.357	82	554065	47.602	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	164990	47.617	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1016894	49.744	ng	-0.01
79) Terphenyl-d14	12.916	244	905501	43.775	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	263899	9.220	ng	97
72) Anthracene	11.398	178	62704	2.145	ng	99
75) Fluoranthene	12.539	202	356562	11.793	ng	97
78) Pyrene	12.769	202	333668	10.574	ng	98
81) Benzo(a)anthracene	13.957	228	155721	5.972	ng	100
83) Chrysene	13.992	228	144114	5.673	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	55406	2.910	ng	# 95
88) Benzo(b)fluoranthene	15.010	252	150169m	7.605	ng	
89) Benzo(k)fluoranthene	15.033	252	50478m	2.566	ng	
90) Benzo(a)pyrene	15.374	252	107539	5.841	ng	# 94
92) Benzo(g,h,i)perylene	17.380	276	55558	3.539	ng	# 93

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

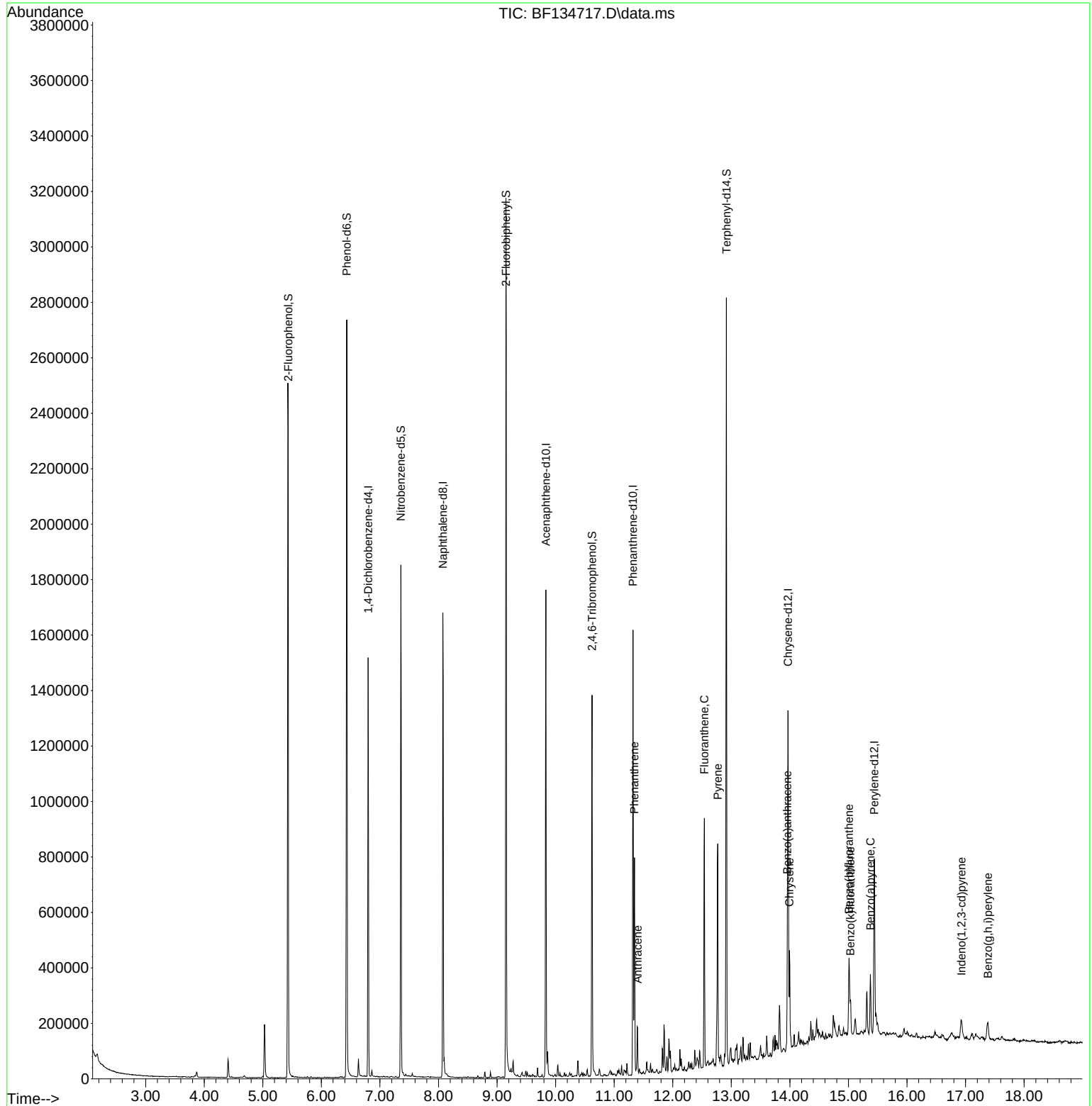
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
Data File : BF134717.D
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ALS Vial : 18 Sample Multiplier: 1

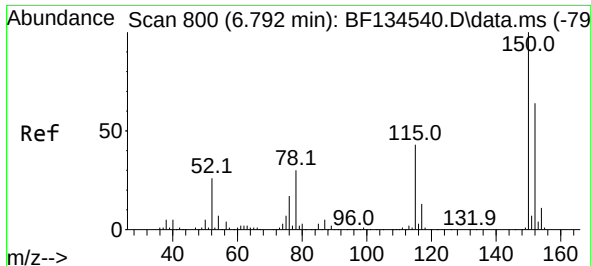
Instrument :
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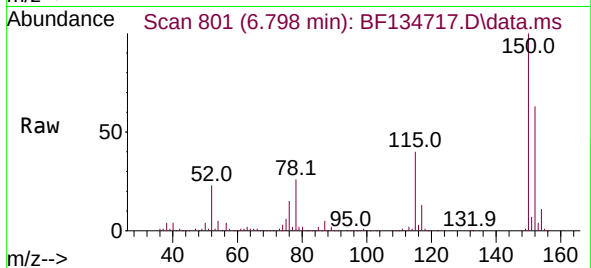
Quant Time: Aug 11 03:57:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

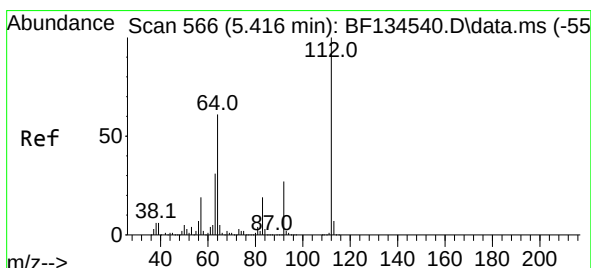
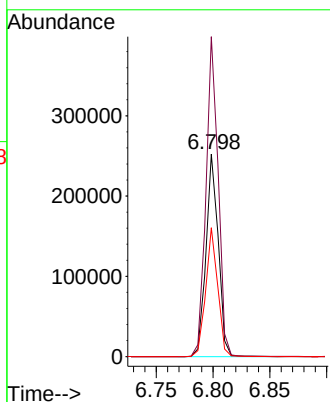
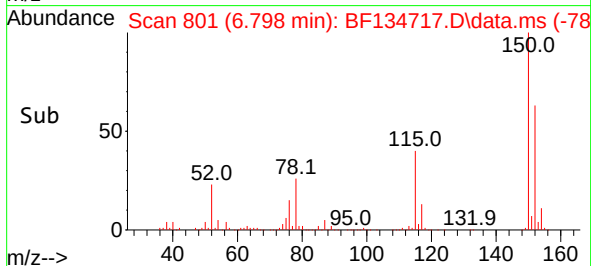
Instrument :
BNA_F
ClientSampleId :
WC-23



Tgt Ion:152 Resp: 190146
Ion Ratio Lower Upper
152 100
150 158.1 128.3 192.5
115 63.7 52.4 78.6

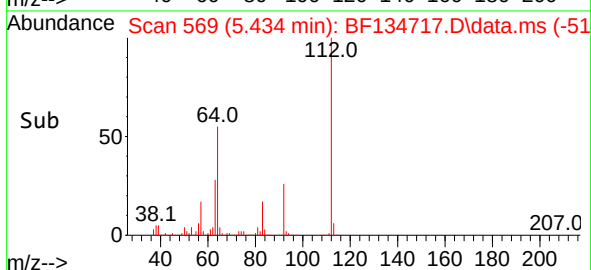
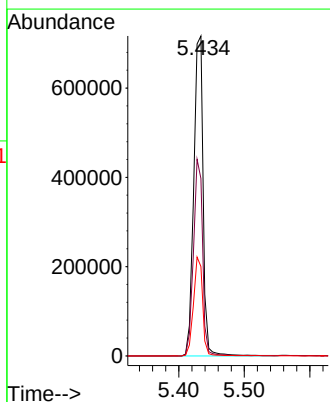
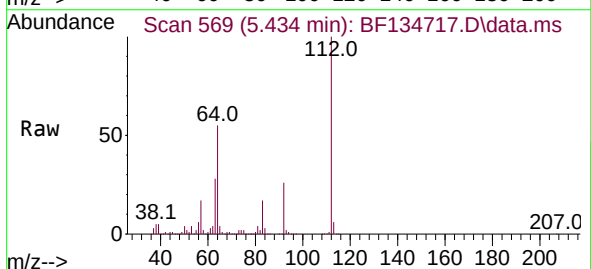
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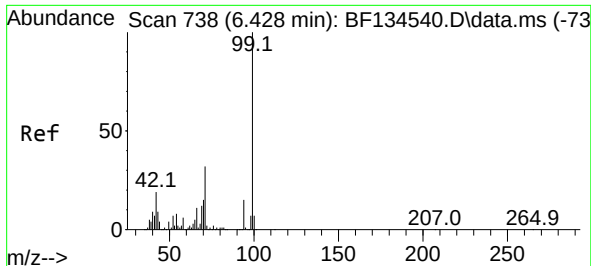
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#5
2-Fluorophenol
Concen: 57.090 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

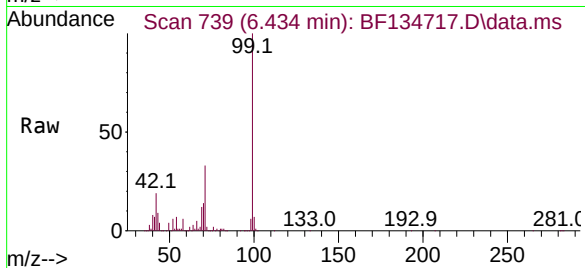
Tgt Ion:112 Resp: 714121
Ion Ratio Lower Upper
112 100
64 55.4 44.9 67.3
63 27.9 25.4 38.0





#7
Phenol-d6
Concen: 57.230 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

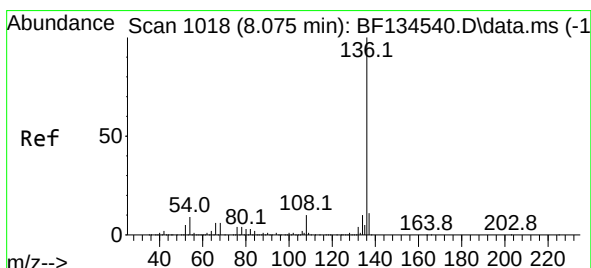
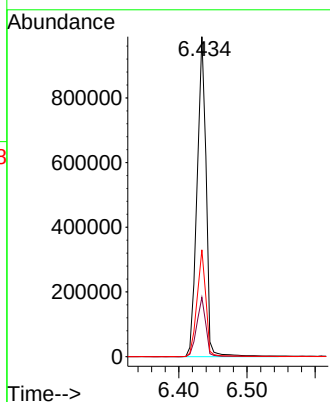
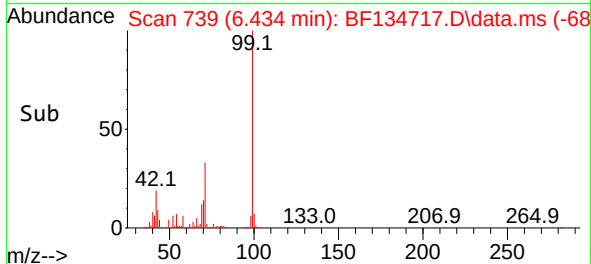
Instrument :
BNA_F
ClientSampleId :
WC-23



Tgt Ion: 99 Resp: 915106
Ion Ratio Lower Upper
99 100
42 18.5 18.7 28.1#
71 33.4 36.4 54.6#

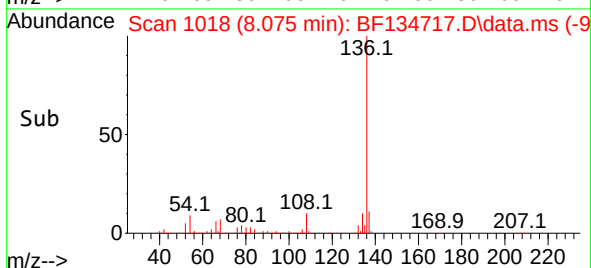
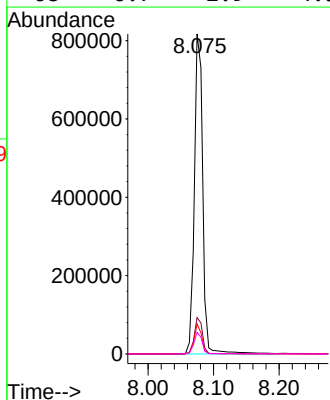
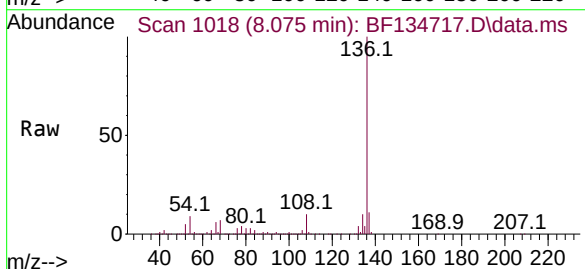
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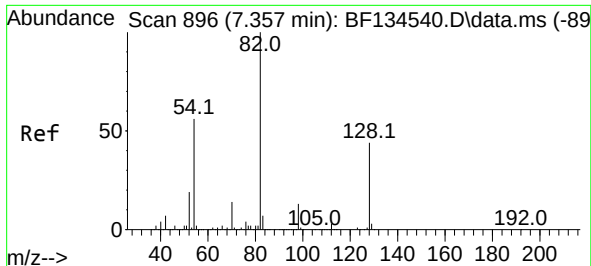
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:136 Resp: 727385
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 9.3 5.2 7.8#
68 6.7 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 47.602 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

Tgt Ion: 82 Resp: 554065

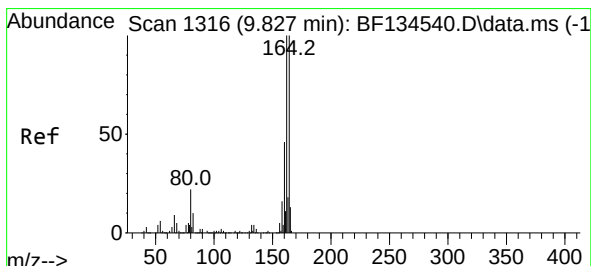
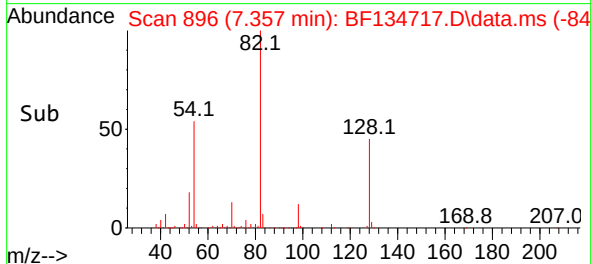
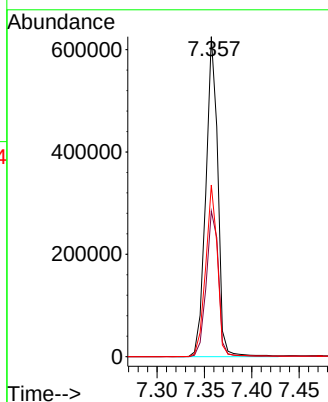
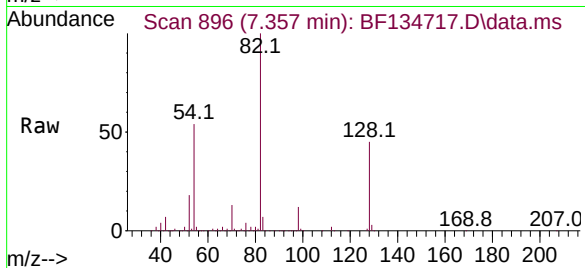
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.3	51.5
54	53.6	43.8	65.6

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Supervised By :mohammad ahmed 08/11/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1317

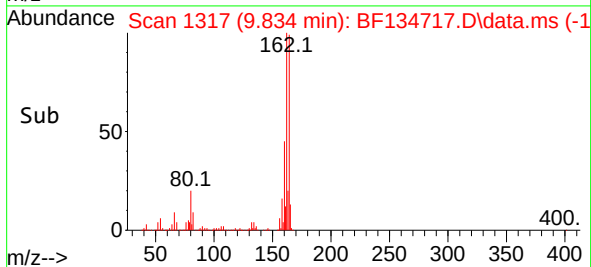
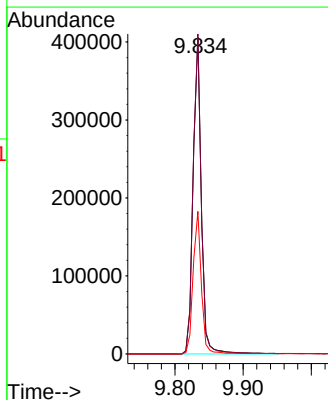
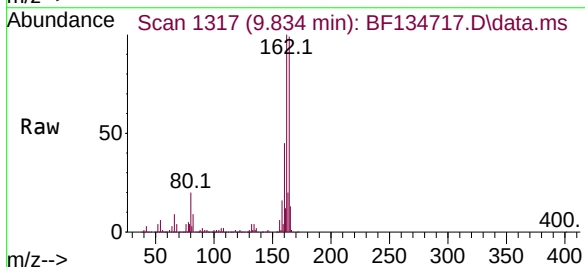
Delta R.T. 0.000 min

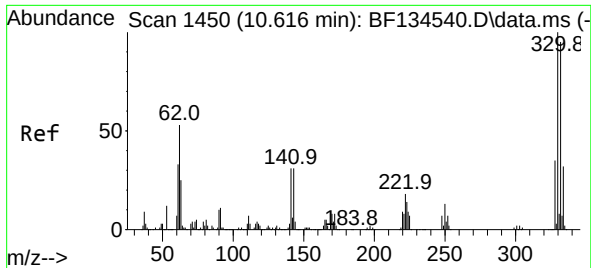
Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Tgt Ion:164 Resp: 339899

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.6	123.8
160	45.0	37.2	55.8





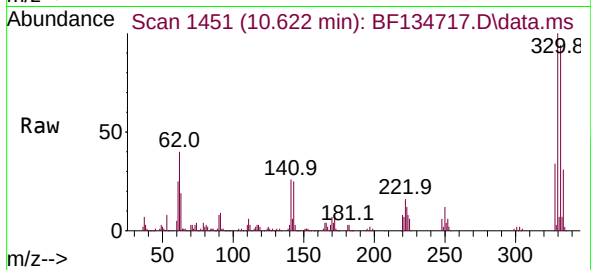
#42
2,4,6-Tribromophenol
Concen: 47.617 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23



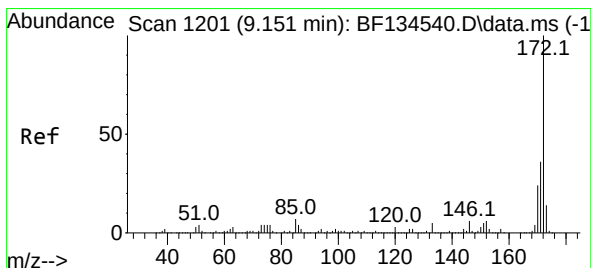
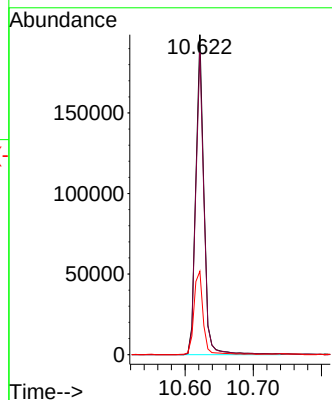
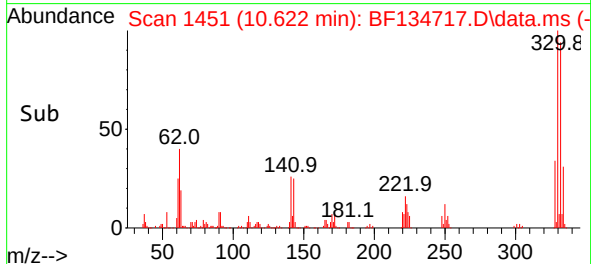
Tgt Ion:330 Resp: 164990
Ion Ratio Lower Upper
330 100
332 95.4 78.8 118.2
141 29.8 25.4 38.2

Manual Integrations

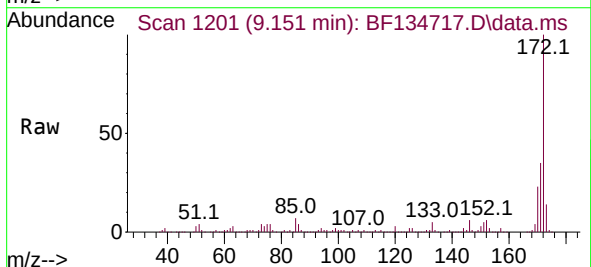
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Reviewed By :Yogesh Patel 08/11/2023

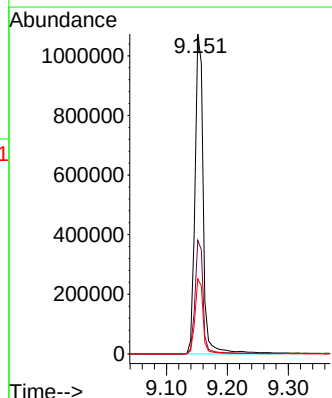
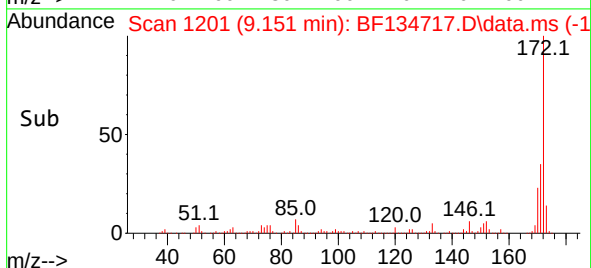
Supervised By :mohammad ahmed 08/11/2023

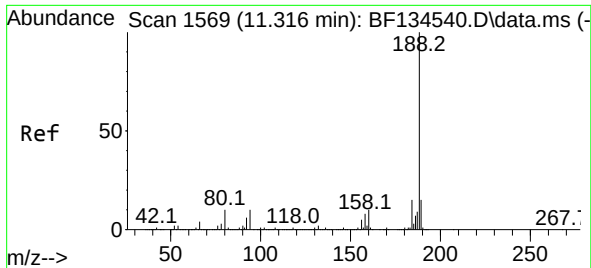


#45
2-Fluorobiphenyl
Concen: 49.744 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31



Tgt Ion:172 Resp: 1016894
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.4 18.7 28.1





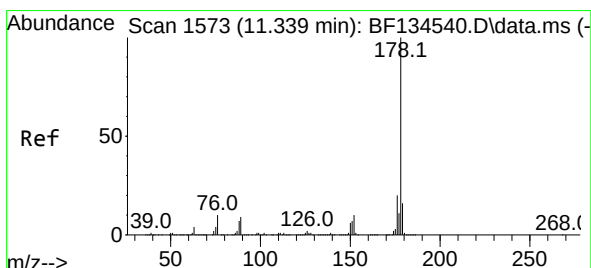
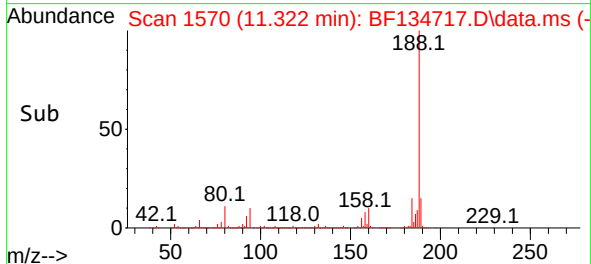
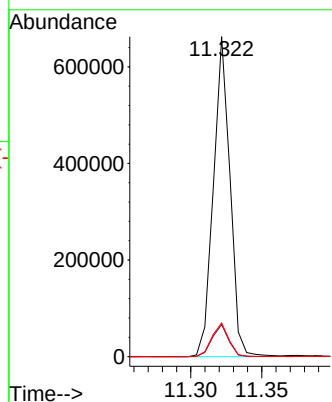
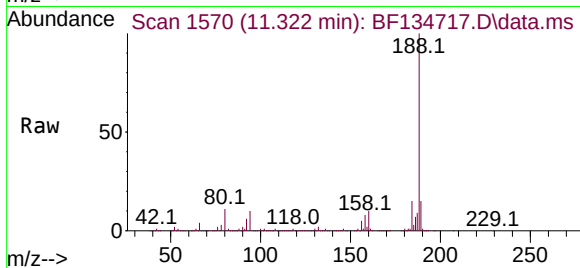
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Instrument :
BNA_F
ClientSampleId :
WC-23

Tgt Ion:188 Resp: 53887
Ion Ratio Lower Upper
188 100
94 10.0 5.1 7.7
80 10.5 6.6 9.8

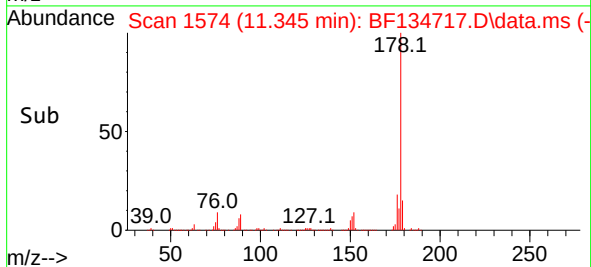
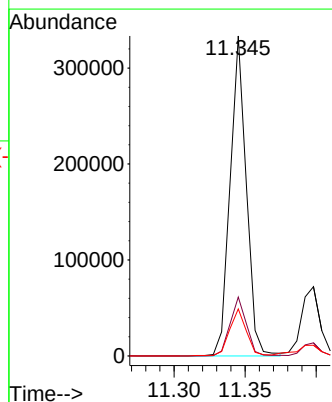
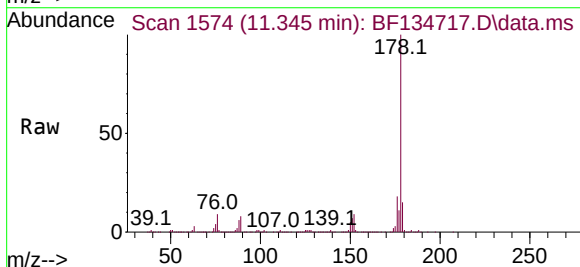
Manual Integrations
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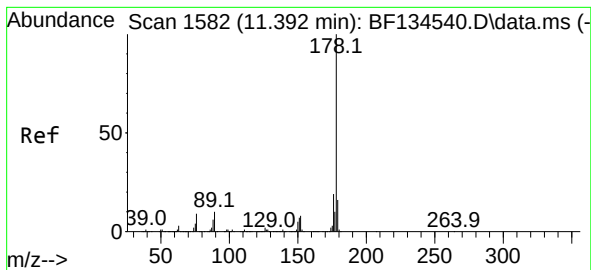
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#71
Phenanthrene
Concen: 9.220 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:178 Resp: 263899
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 14.7 12.7 19.1





#72

Anthracene

Concen: 2.145 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

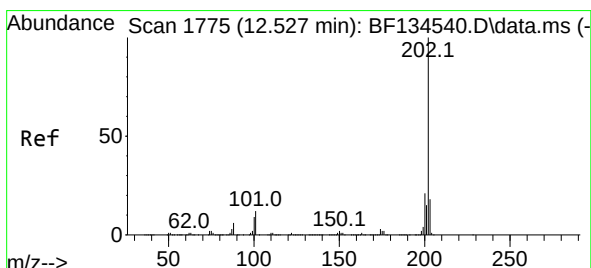
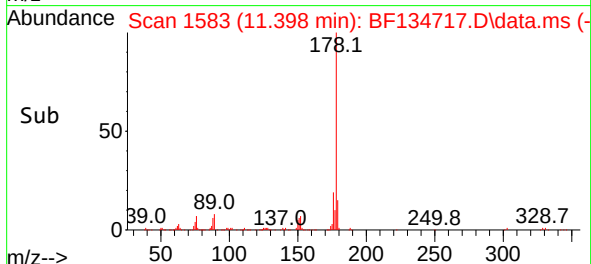
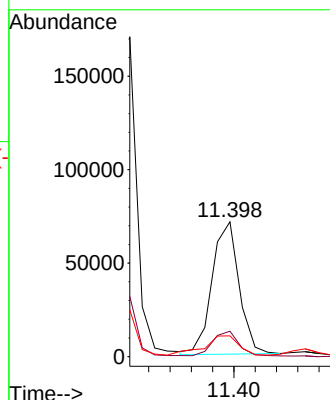
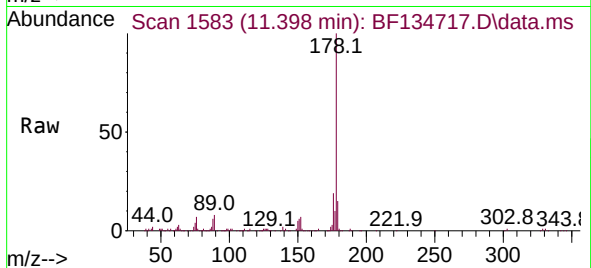
Tgt Ion:178 Resp: 62704
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.6 21.8
 179 15.4 12.3 18.5

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#75

Fluoranthene

Concen: 11.793 ng

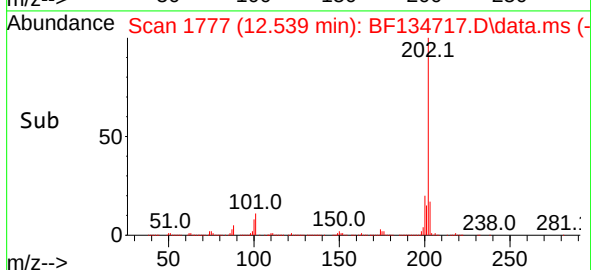
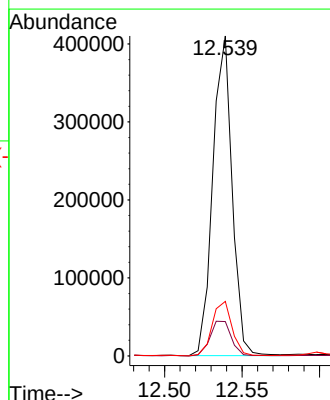
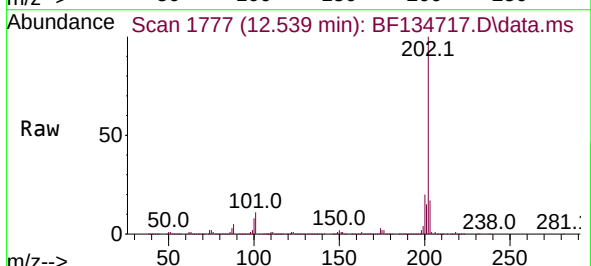
RT: 12.539 min Scan# 1777

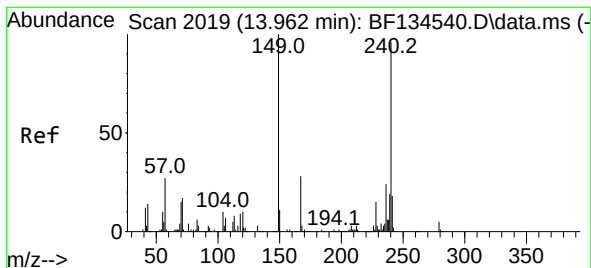
Delta R.T. 0.000 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Tgt Ion:202 Resp: 356562
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 28.5
 203 17.0 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: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

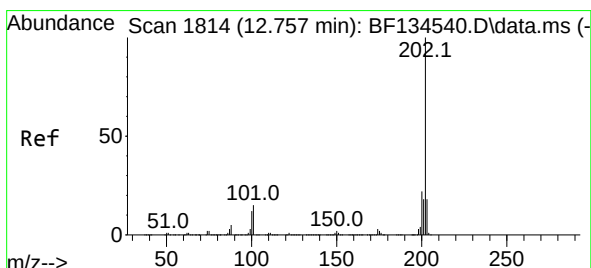
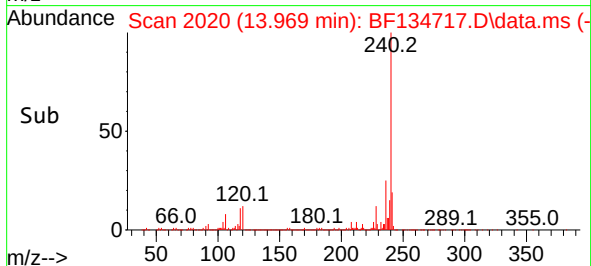
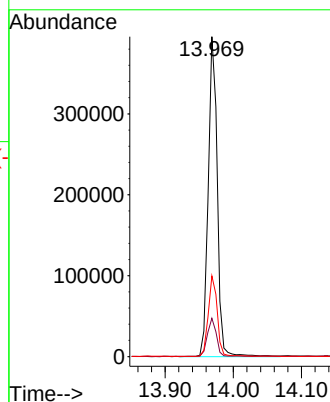
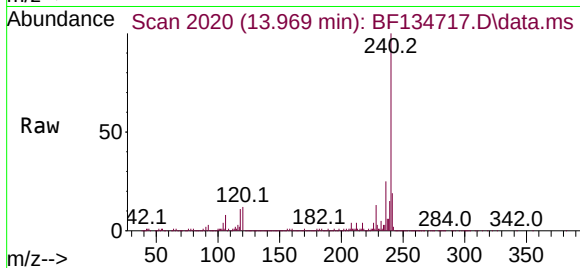
Tgt Ion:240 Resp: 364654
 Ion Ratio Lower Upper
 240 100
 120 12.0 6.6 10.0
 236 25.2 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#78

Pyrene

Concen: 10.574 ng

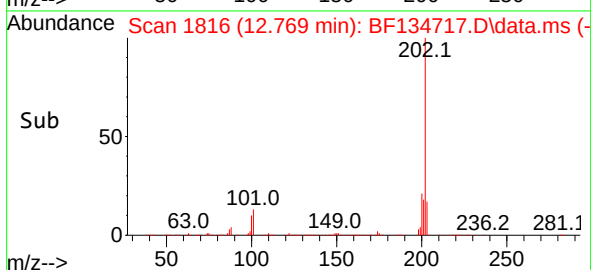
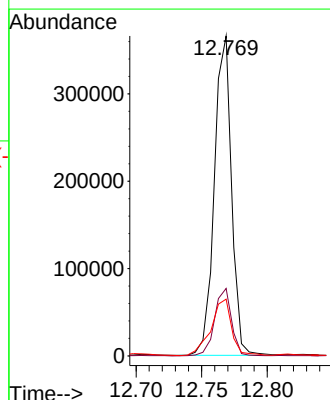
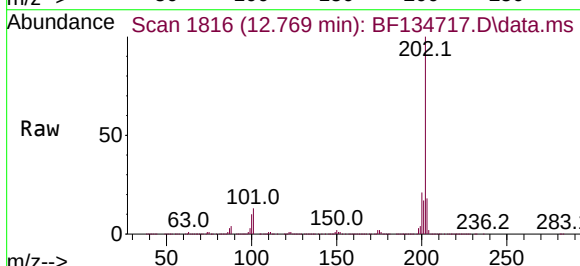
RT: 12.769 min Scan# 1816

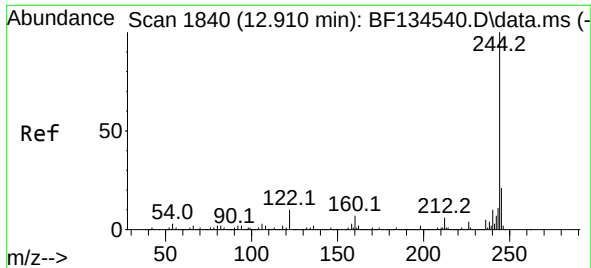
Delta R.T. 0.000 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

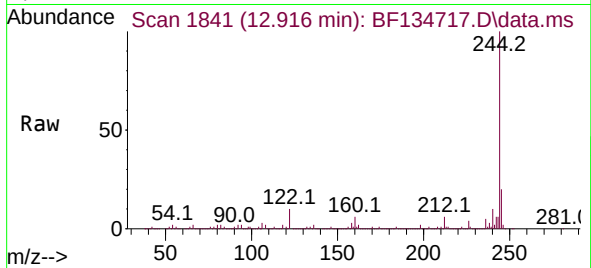
Tgt Ion:202 Resp: 333668
 Ion Ratio Lower Upper
 202 100
 200 21.1 15.8 23.8
 203 17.7 13.5 20.3





#79
Terphenyl-d14
Concen: 43.775 ng
RT: 12.916 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

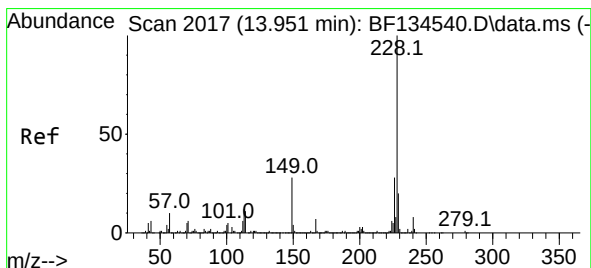
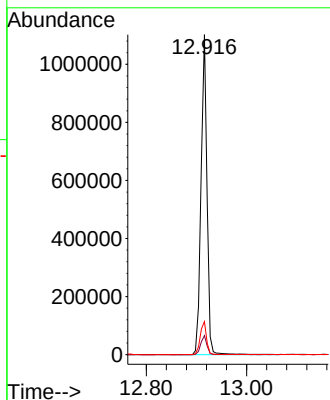
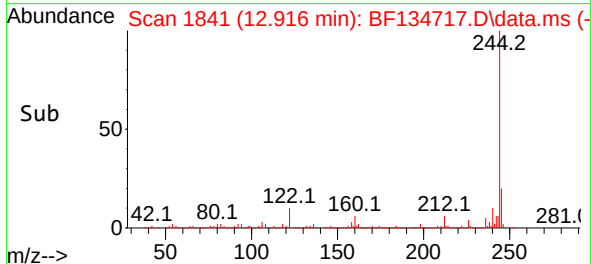
Instrument :
BNA_F
ClientSampleId :
WC-23



Tgt Ion:244 Resp: 905501
Ion Ratio Lower Upper
244 100
212 5.9 5.6 8.4
122 10.4 8.0 12.0

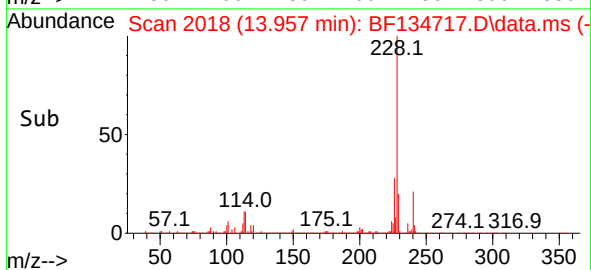
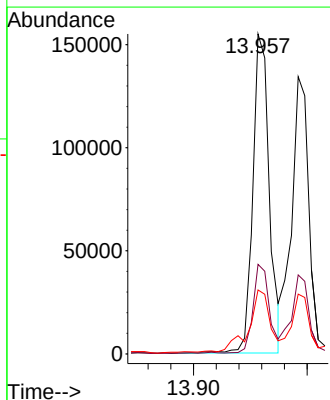
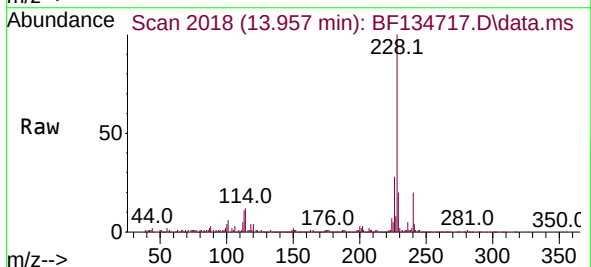
Manual Integrations
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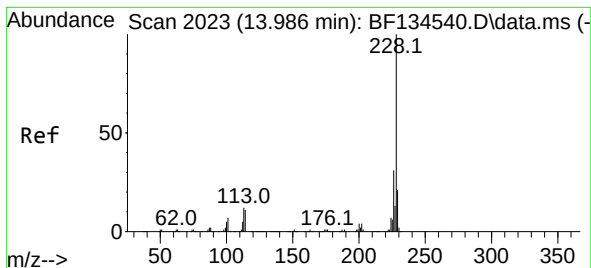
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#81
Benzo(a)anthracene
Concen: 5.972 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:228 Resp: 155721
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 20.0 15.8 23.6





#83

Chrysene

Concen: 5.673 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

Tgt Ion:228 Resp: 144114

Ion Ratio Lower Upper

228 100

226 28.5 24.5 36.7

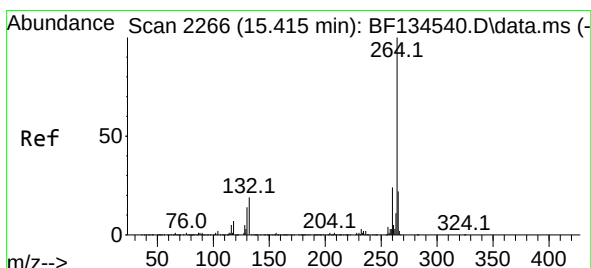
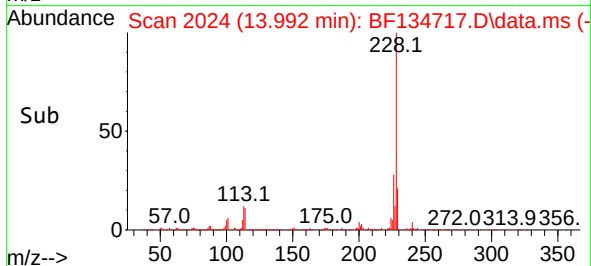
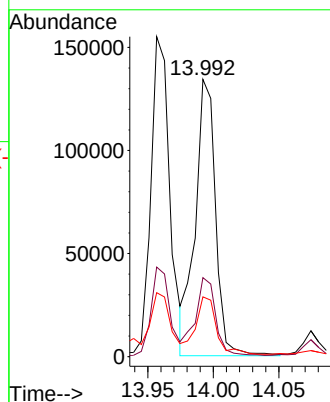
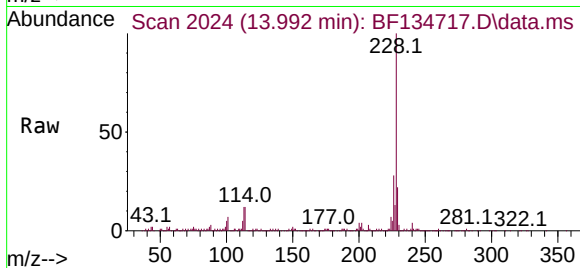
229 21.6 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

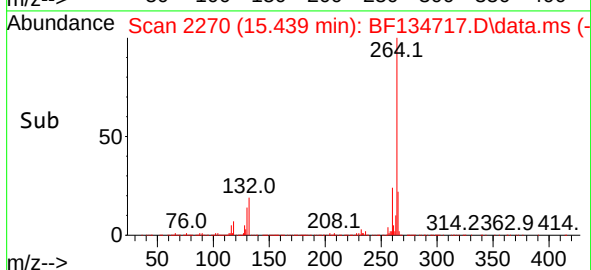
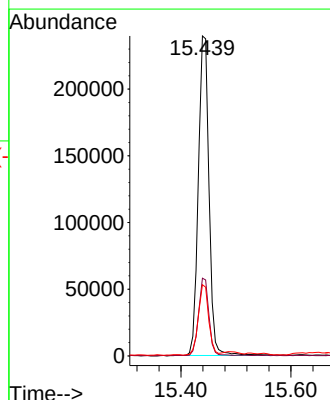
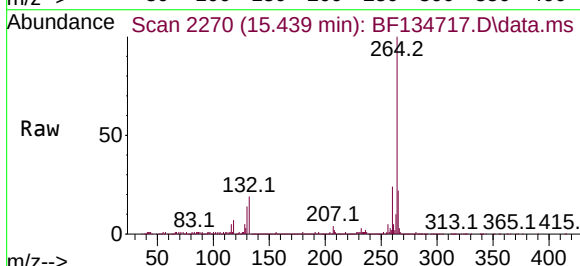
Tgt Ion:264 Resp: 323783

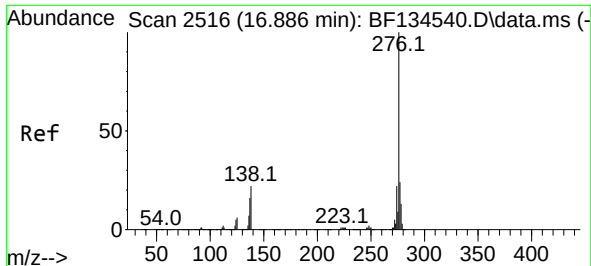
Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

265 22.2 15.8 23.8





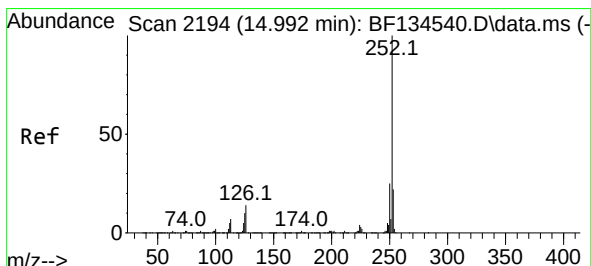
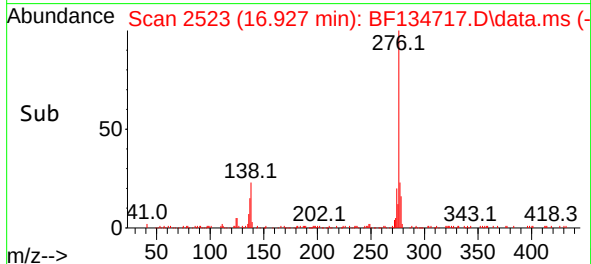
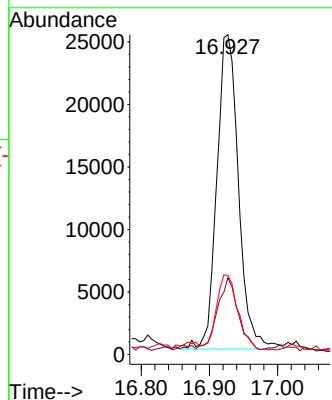
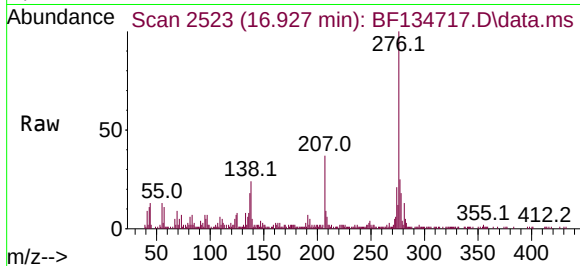
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.910 ng
RT: 16.927 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Instrument :
BNA_F
ClientSampleId :
WC-23

Tgt Ion:276 Resp: 55406
Ion Ratio Lower Upper
276 100
138 21.7 14.2 21.4#
277 23.8 19.9 29.9

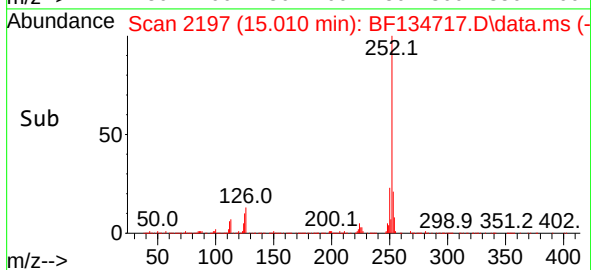
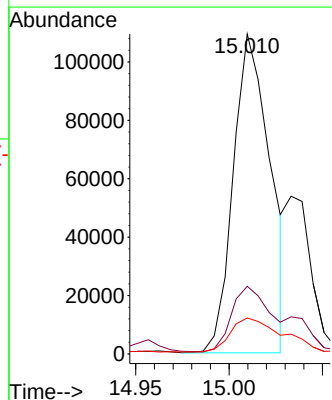
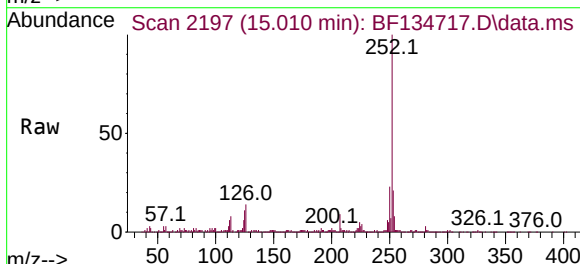
Manual Integrations
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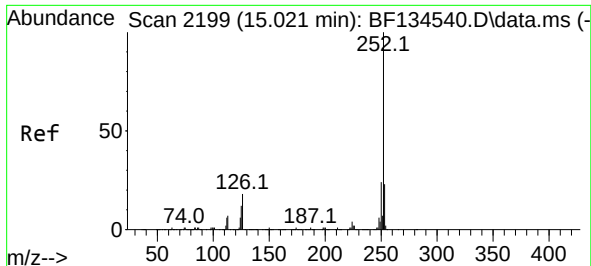
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#88
Benzo(b)fluoranthene
Concen: 7.605 ng m
RT: 15.010 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:252 Resp: 150169
Ion Ratio Lower Upper
252 100
253 21.1 17.3 25.9
125 11.2 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 2.566 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

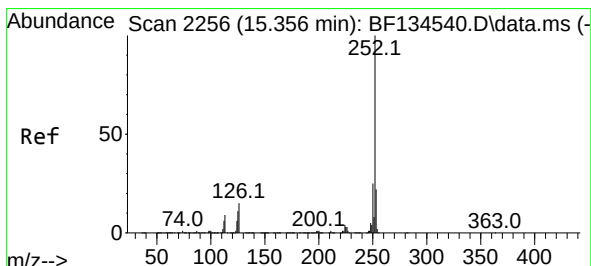
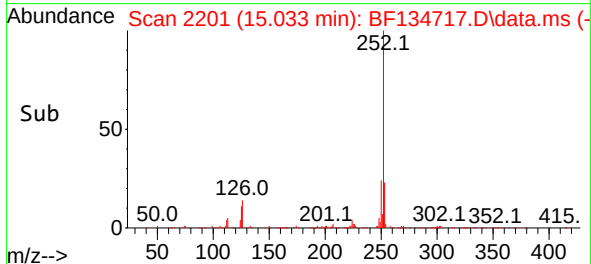
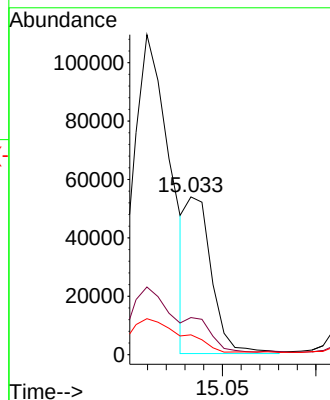
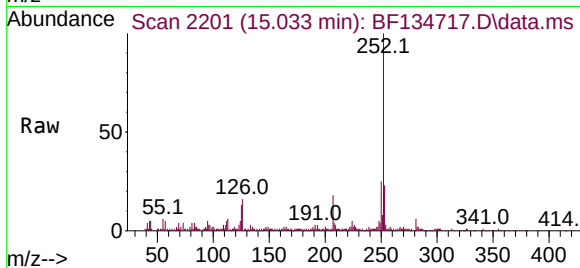
WC-23

Tgt Ion:252 Resp: 50478
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.9 26.9
 125 12.5 6.3 9.5

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 5.841 ng

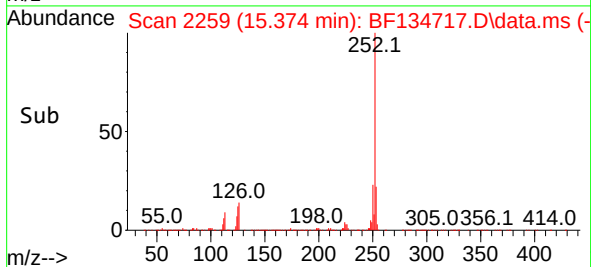
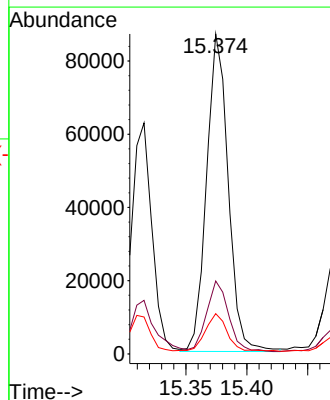
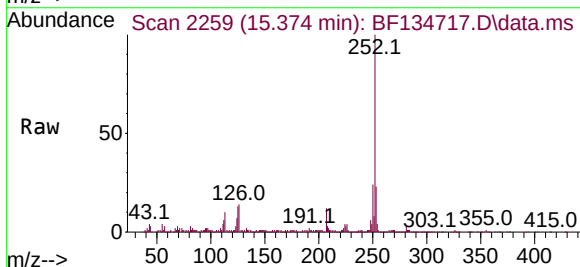
RT: 15.374 min Scan# 2259

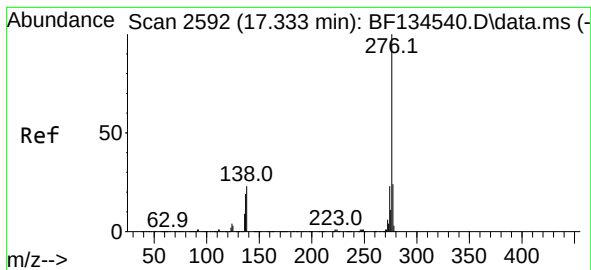
Delta R.T. -0.006 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Tgt Ion:252 Resp: 107539
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.0 25.4
 125 12.6 6.2 9.4





#92

Benzo(g,h,i)perylene

Concen: 3.539 ng

RT: 17.380 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134717.D

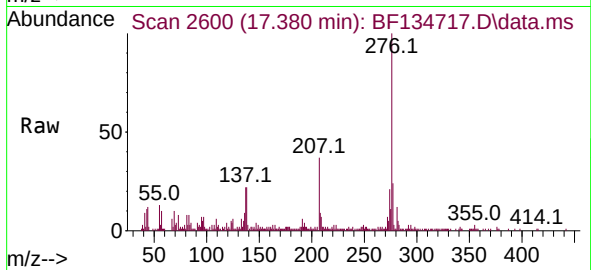
Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23



Tgt Ion:	276	Resp:	55558
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.0	28.6
138	22.2	12.2	18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023

