

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134655.D
 Acq On : 07 Aug 2023 15:42
 Operator : CG\JU
 Sample : 03897-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1RE

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 01:22:04 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	195057	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	712324	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	304804	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	250436	20.000	ng	# 0.01
76) Chrysene-d12	14.033	240	202307	20.000	ng	0.06
86) Perylene-d12	15.468	264	439576	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	915779	71.368	ng	0.00
7) Phenol-d6	6.428	99	1137981	69.376	ng	-0.01
23) Nitrobenzene-d5	7.357	82	648146	56.862	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	222117	71.485	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1074135	58.594	ng	-0.01
79) Terphenyl-d14	12.975	244	402514	35.074	ng	0.05
Target Compounds						Qvalue
71) Phenanthrene	11.357	178	113318	8.519	ng	# 77
75) Fluoranthene	12.592	202	237943	16.934	ng	78
78) Pyrene	12.827	202	197616	11.289	ng	# 76
81) Benzo(a)anthracene	14.027	228	175880	12.158	ng	95
83) Chrysene	14.063	228	195122	13.845	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	190725	7.377	ng	# 95
88) Benzo(b)fluoranthene	15.045	252	520619m	19.419	ng	
89) Benzo(k)fluoranthene	15.074	252	187653m	7.026	ng	
90) Benzo(a)pyrene	15.404	252	316464	12.660	ng	# 93
91) Dibenzo(a,h)anthracene	16.945	278	45261	2.166	ng	# 83
92) Benzo(g,h,i)perylene	17.386	276	170725	8.011	ng	# 93

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

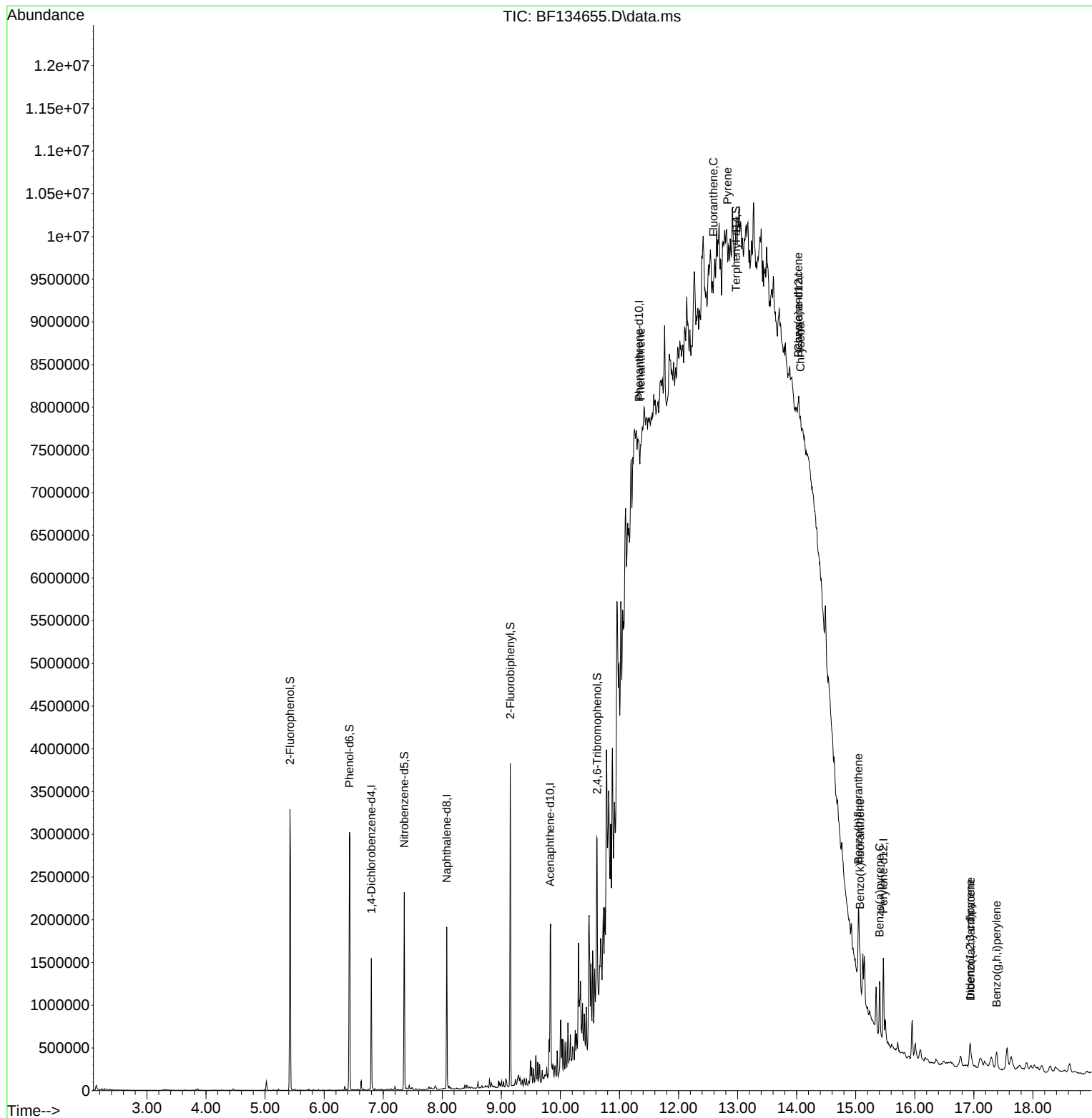
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
Data File : BF134655.D
Acq On : 07 Aug 2023 15:42
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Sample : 03897-01RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

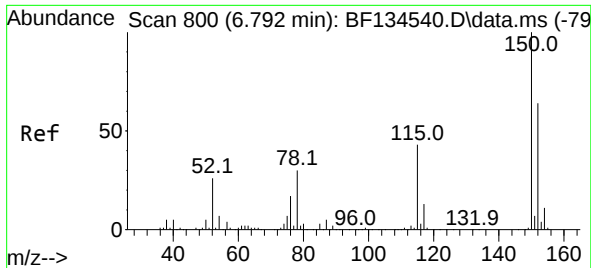
Instrument :
BNA_F
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WC-1RE

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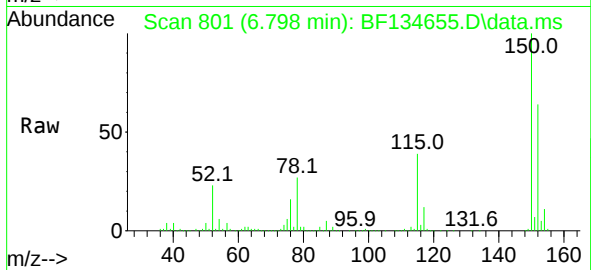
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

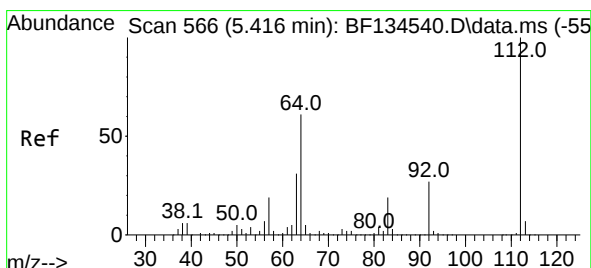
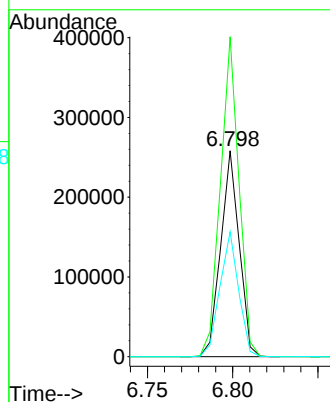
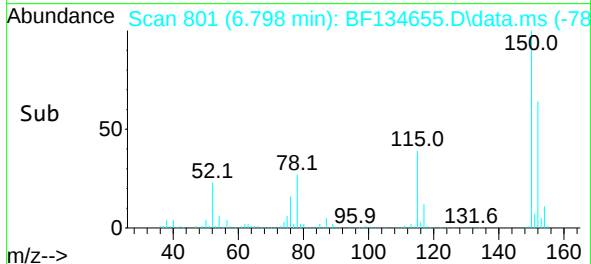


Tgt Ion:152 Resp: 19505
Ion Ratio Lower Upper
152 100
150 155.4 128.3 192.5
115 60.7 52.4 78.6

Manual Integrations

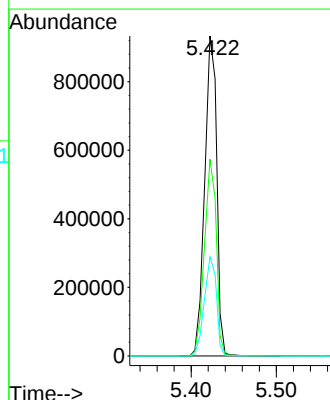
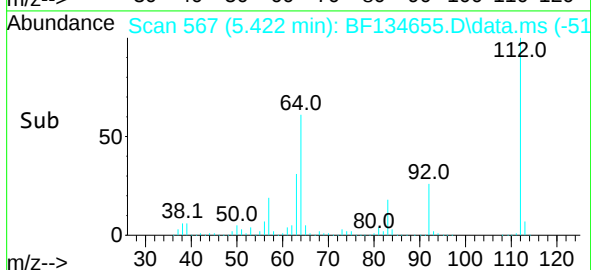
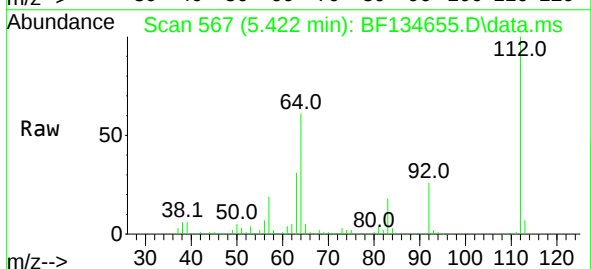
APPROVED

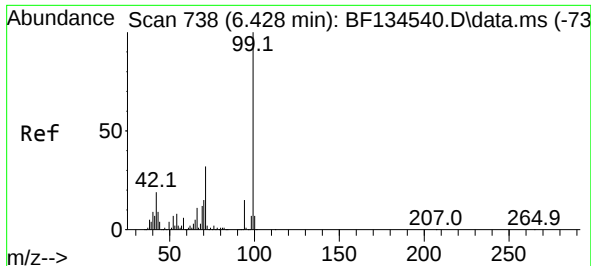
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#5
2-Fluorophenol
Concen: 71.368 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

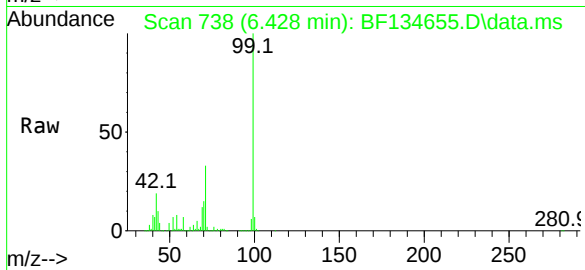
Tgt Ion:112 Resp: 915779
Ion Ratio Lower Upper
112 100
64 61.5 44.9 67.3
63 31.0 25.4 38.0





#7
Phenol-d6
Concen: 69.376 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

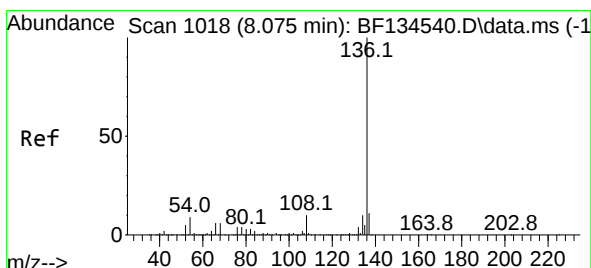
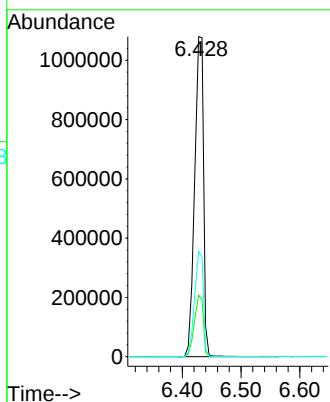
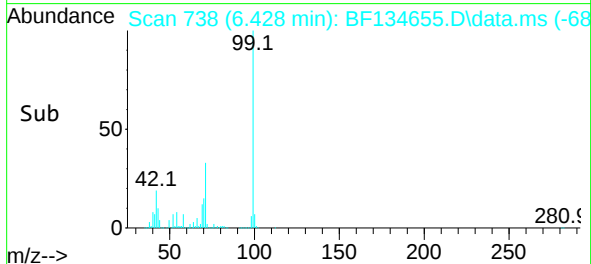
Instrument :
BNA_F
ClientSampleId :
WC-1RE



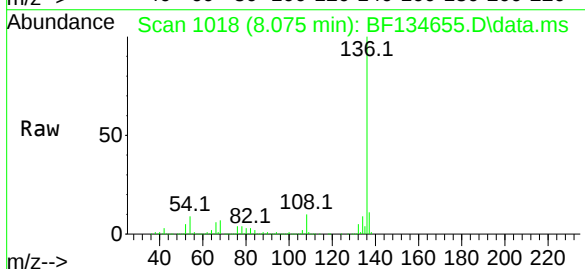
Tgt Ion: 99 Resp: 113798
Ion Ratio Lower Upper
99 100
42 19.2 18.7 28.1
71 32.9 36.4 54.6

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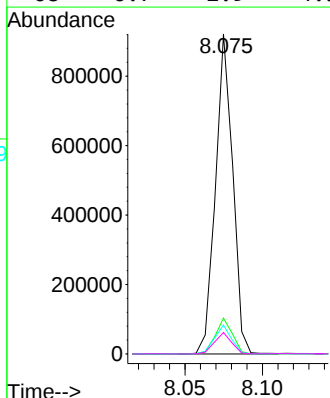
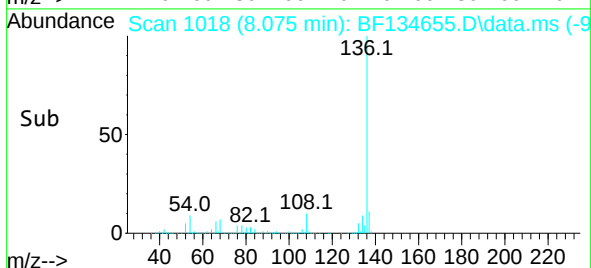
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

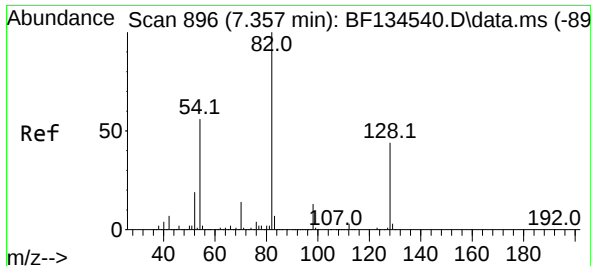


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42



Tgt Ion:136 Resp: 712324
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.0 5.2 7.8#
68 6.7 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 56.862 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134655.D

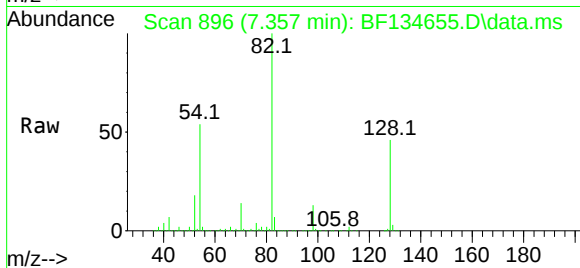
Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE



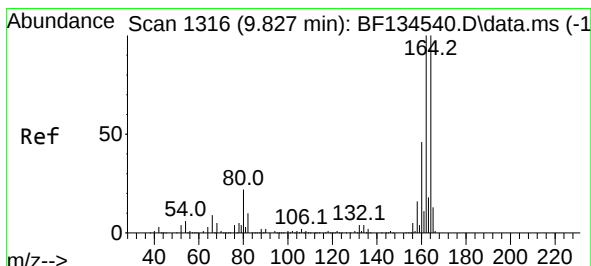
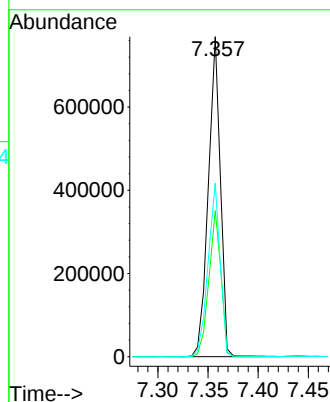
Tgt Ion:	82	Resp:	648140
Ion Ratio	Lower	Upper	
82	100		
128	45.7	34.3	51.5
54	54.3	43.8	65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

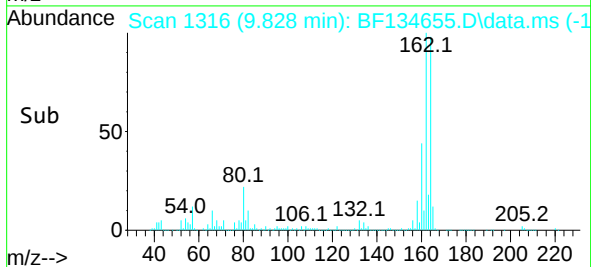
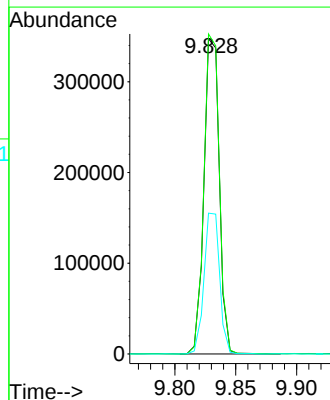
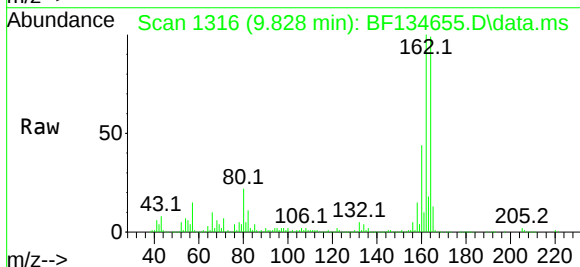
RT: 9.828 min Scan# 1316

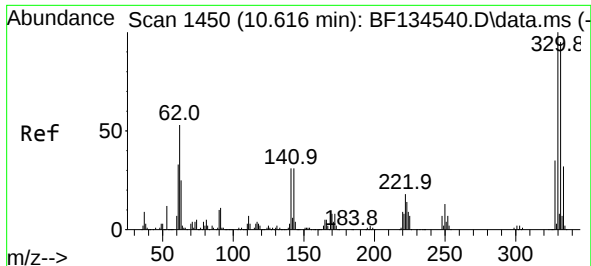
Delta R.T. -0.006 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Tgt Ion:	164	Resp:	304804
Ion Ratio	Lower	Upper	
164	100		
162	101.5	82.6	123.8
160	44.7	37.2	55.8





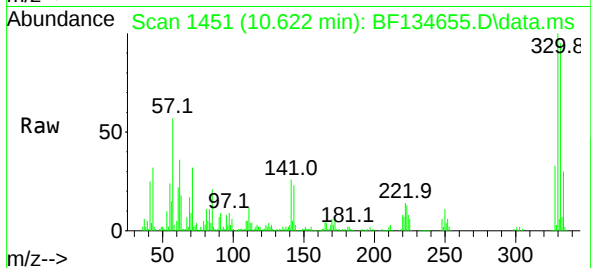
#42
2,4,6-Tribromophenol
Concen: 71.485 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE



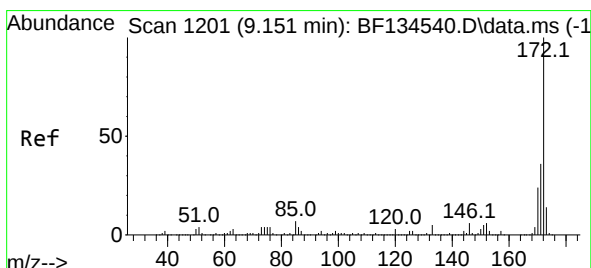
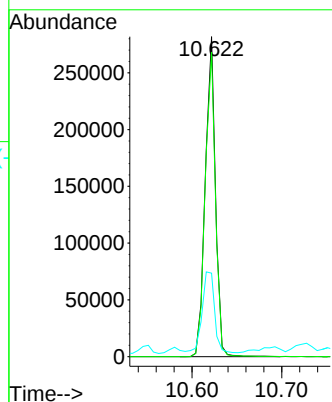
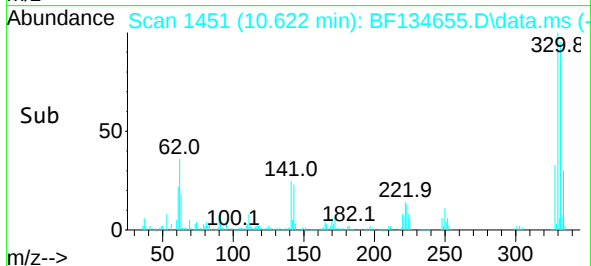
Tgt Ion:330 Resp: 222117
Ion Ratio Lower Upper
330 100
332 96.4 78.8 118.2
141 30.6 25.4 38.2

Manual Integrations

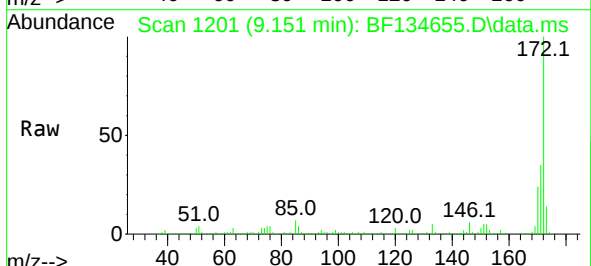
APPROVED

Reviewed By :Yogesh Patel 08/08/2023

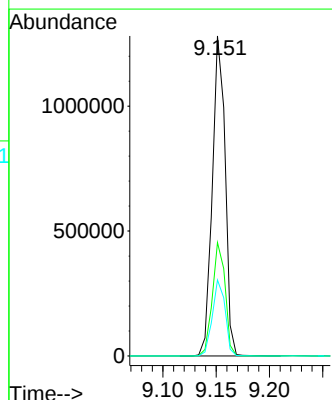
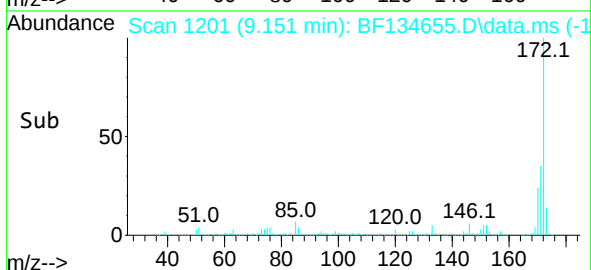
Supervised By :mohammad ahmed 08/08/2023

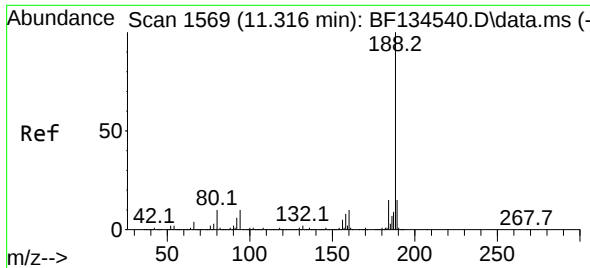


#45
2-Fluorobiphenyl
Concen: 58.594 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42



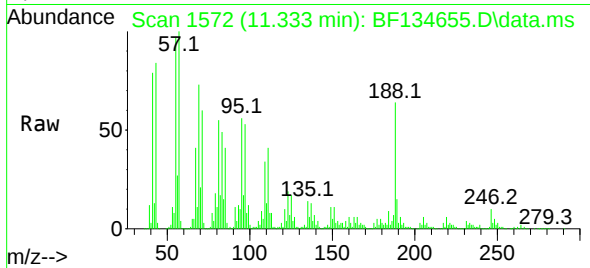
Tgt Ion:172 Resp: 1074135
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.8 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.012 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

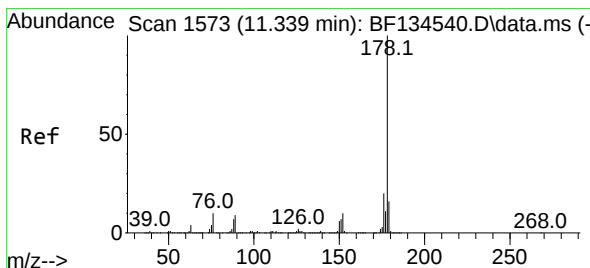
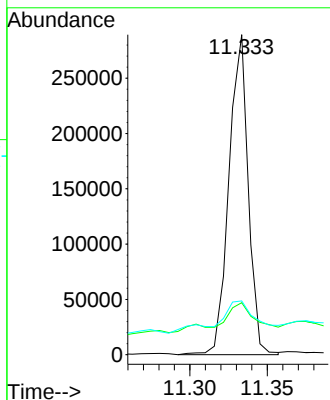
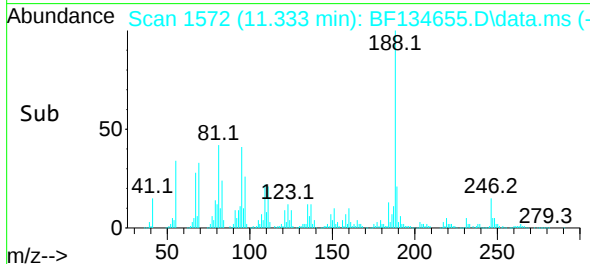
Instrument :
BNA_F
ClientSampleId :
WC-1RE



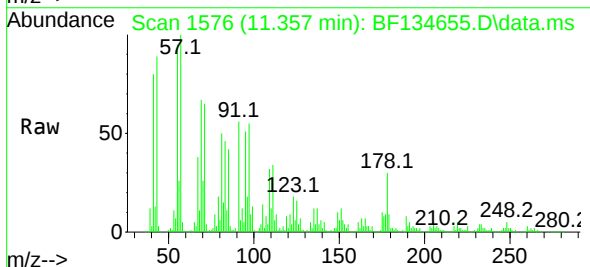
Tgt Ion:188 Resp: 250430
Ion Ratio Lower Upper
188 100
94 16.2 5.1 7.7
80 16.8 6.6 9.8

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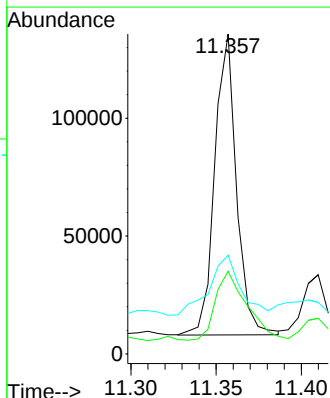
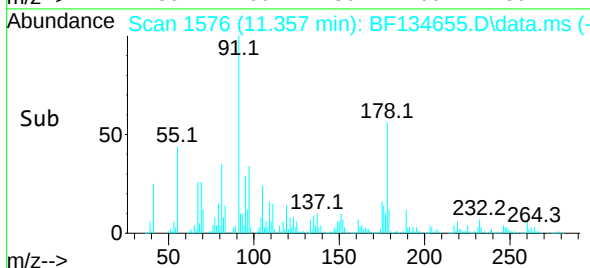
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

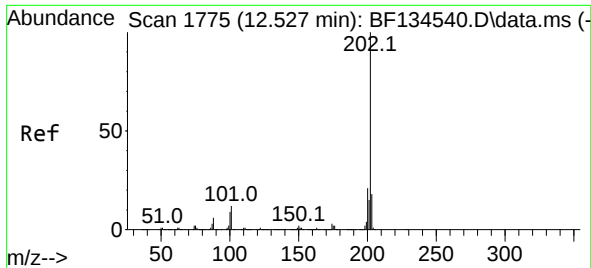


#71
Phenanthrene
Concen: 8.519 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42



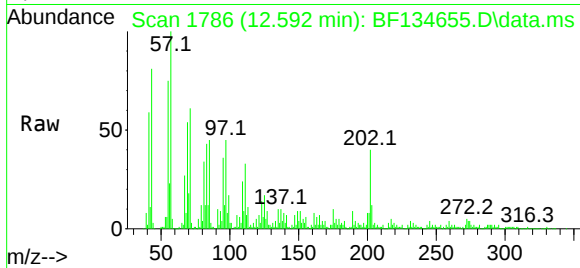
Tgt Ion:178 Resp: 113318
Ion Ratio Lower Upper
178 100
176 25.8 15.8 23.6#
179 30.9 12.7 19.1#





#75
Fluoranthene
Concen: 16.934 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.053 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

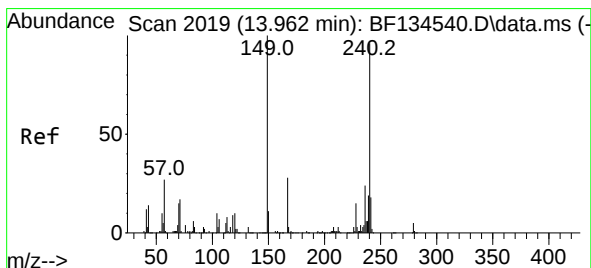
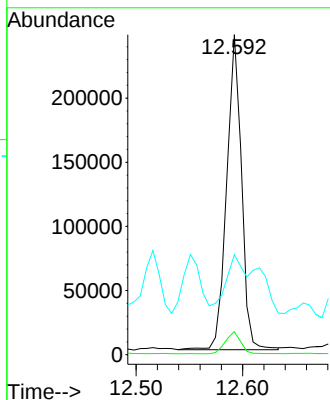
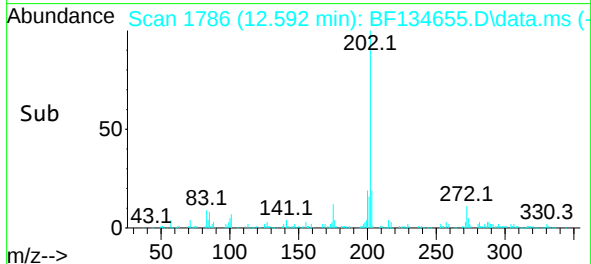
Instrument :
BNA_F
ClientSampleId :
WC-1RE



Tgt Ion:202 Resp: 23794
Ion Ratio Lower Upper
202 100
101 7.2 0.0 28.5
203 31.3 0.0 37.5

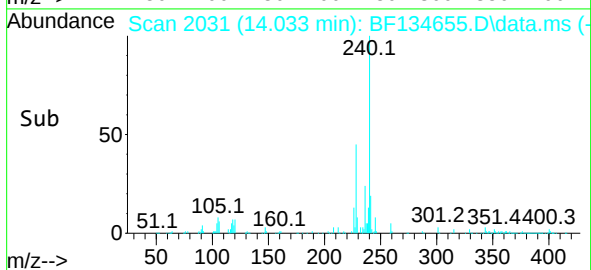
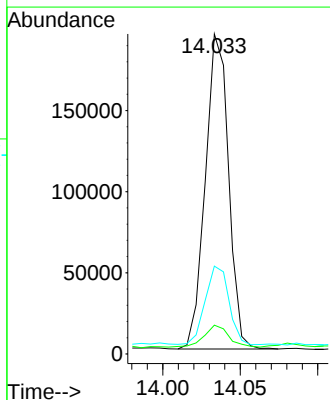
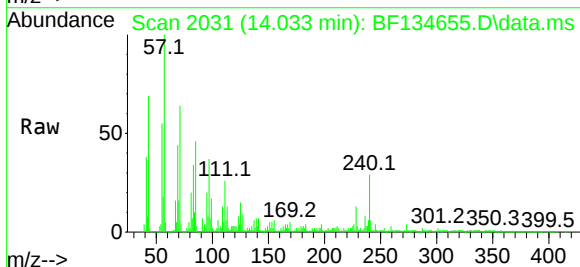
Manual Integrations
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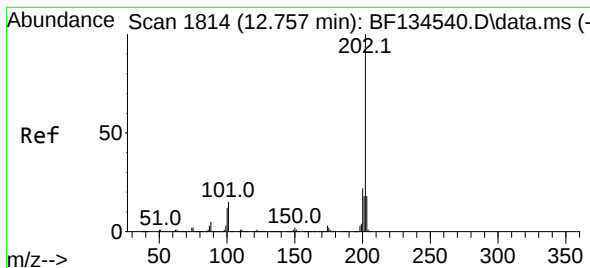
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.059 min
Lab File: BF134655.D
Acq: 07 Aug 2023 15:42

Tgt Ion:240 Resp: 202307
Ion Ratio Lower Upper
240 100
120 9.0 6.6 10.0
236 27.5 20.2 30.2





#78

Pyrene

Concen: 11.289 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.059 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE

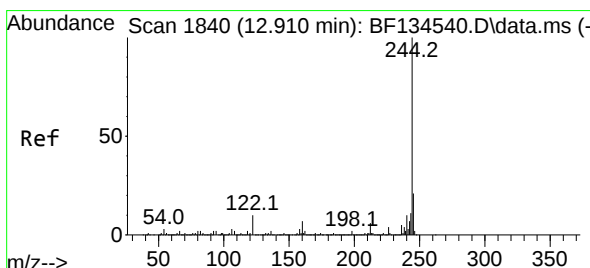
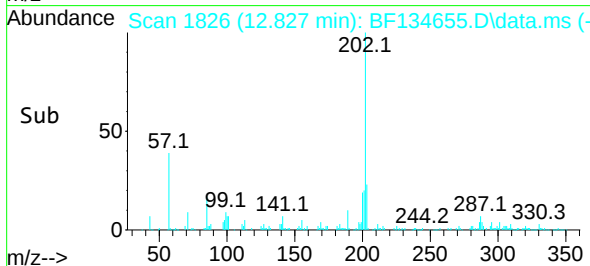
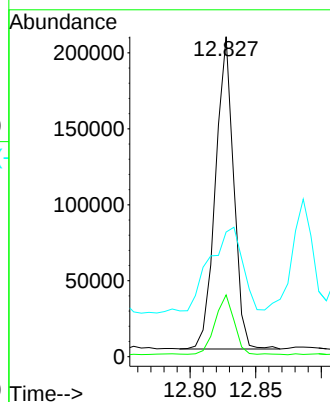
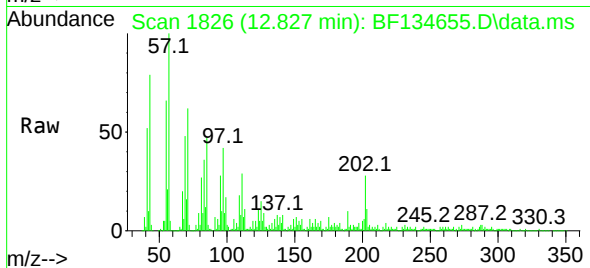
Tgt Ion:202 Resp: 197610
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.8 23.8
 203 39.0 13.5 20.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#79

Terphenyl-d14

Concen: 35.074 ng

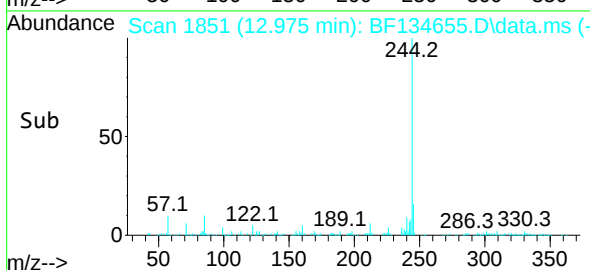
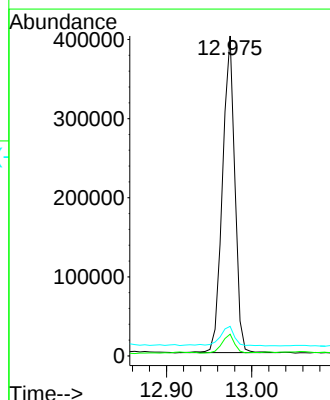
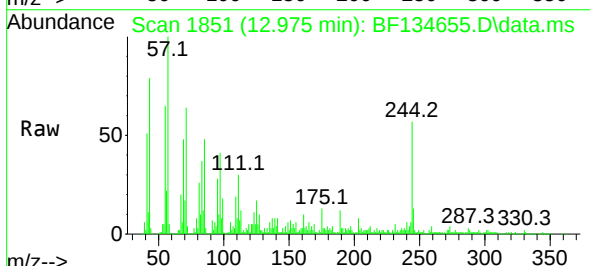
RT: 12.975 min Scan# 1851

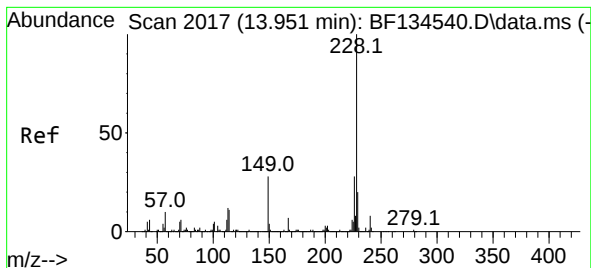
Delta R.T. 0.053 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Tgt Ion:244 Resp: 402514
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.3 8.0 12.0





#81

Benzo(a)anthracene

Concen: 12.158 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.065 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNF

ClientSampleId :

WC-1RE

Tgt Ion:228 Resp: 175880

Ion Ratio Lower Upper

228 100

226 29.7 22.3 33.5

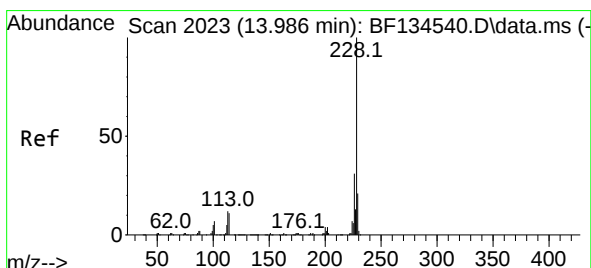
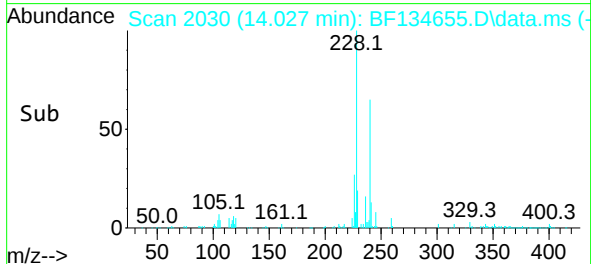
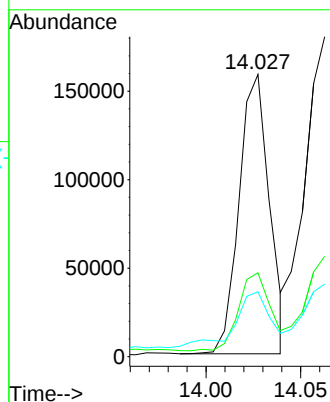
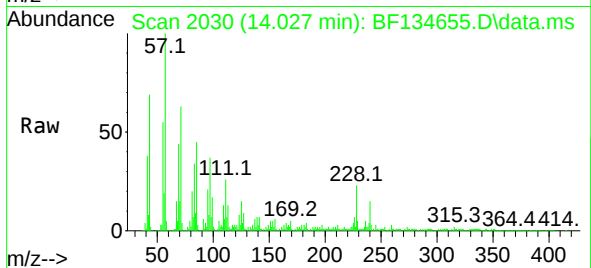
229 23.0 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#83

Chrysene

Concen: 13.845 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.065 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

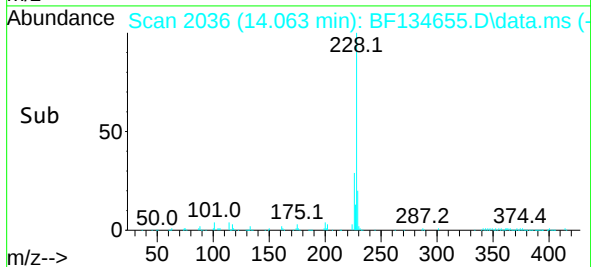
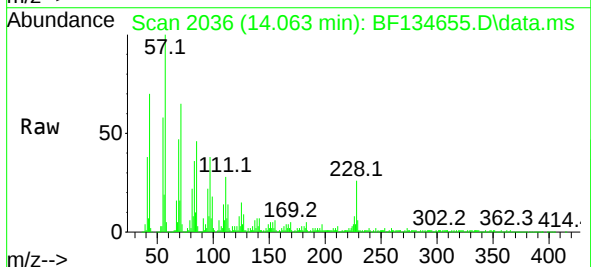
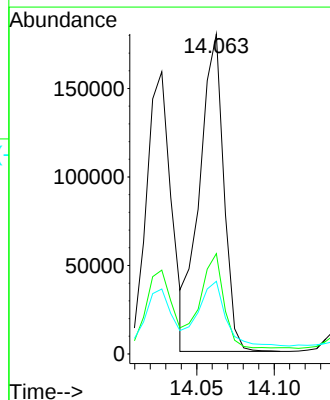
Tgt Ion:228 Resp: 195122

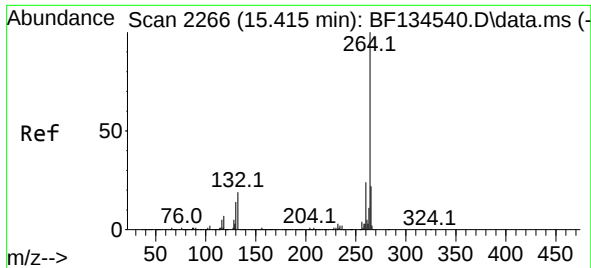
Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

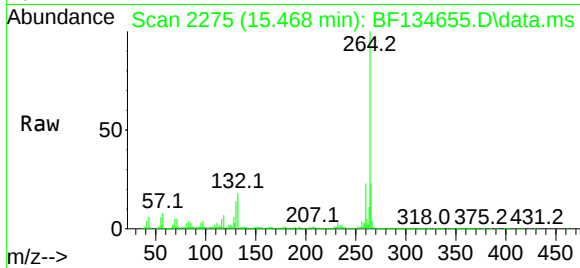
229 22.7 15.8 23.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. 0.030 min
 Lab File: BF134655.D
 Acq: 07 Aug 2023 15:42

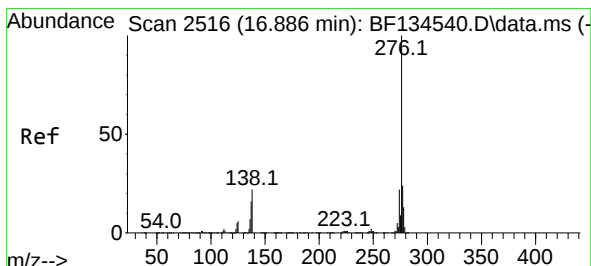
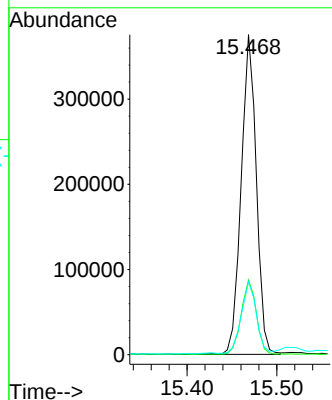
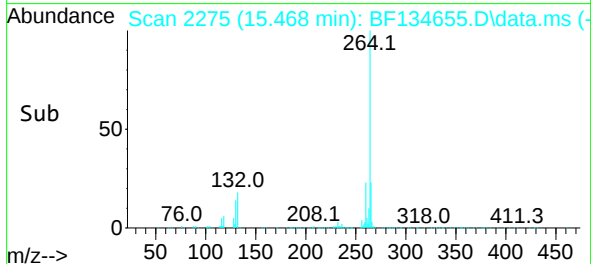
Instrument :
 BNA_F
 ClientSampleId :
 WC-1RE



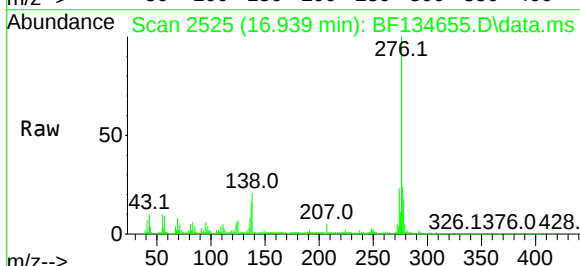
Tgt Ion:264 Resp: 439570
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.4 27.6
 265 22.7 15.8 23.8

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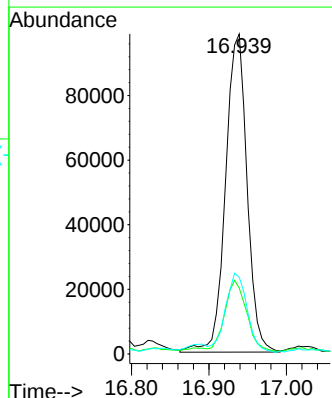
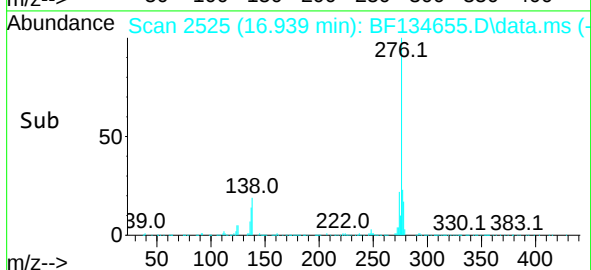
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

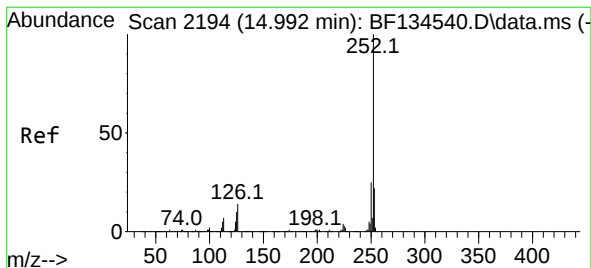


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.377 ng
 RT: 16.939 min Scan# 2525
 Delta R.T. 0.012 min
 Lab File: BF134655.D
 Acq: 07 Aug 2023 15:42



Tgt Ion:276 Resp: 190725
 Ion Ratio Lower Upper
 276 100
 138 22.5 14.2 21.4#
 277 25.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 19.419 ng m

RT: 15.045 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNF

ClientSampleId :

WC-1RE

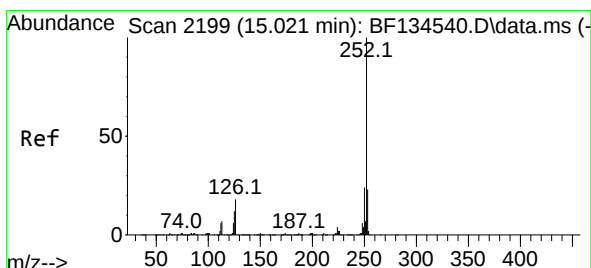
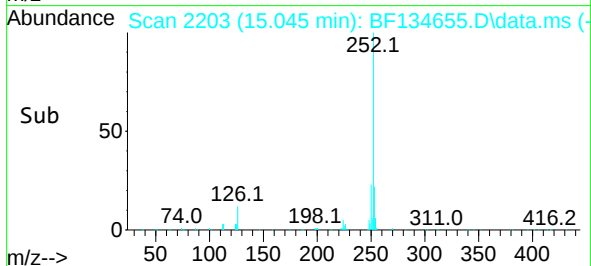
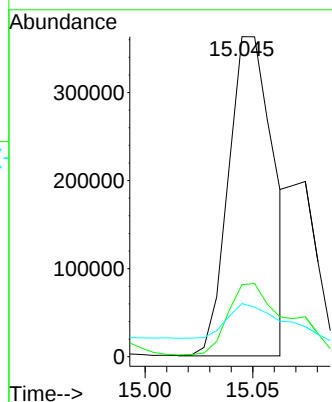
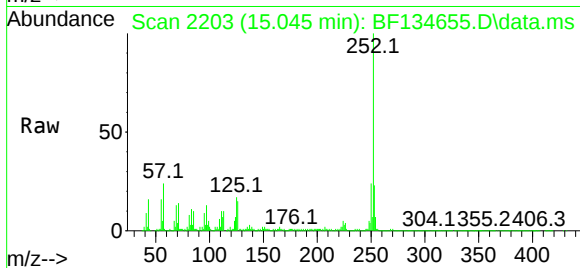
Tgt Ion:252 Resp: 520619
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.3 25.9
 125 16.6 6.0 9.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#89

Benzo(k)fluoranthene

Concen: 7.026 ng m

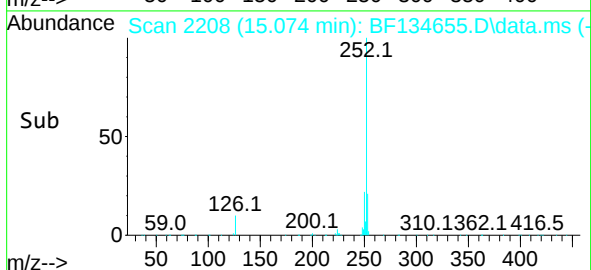
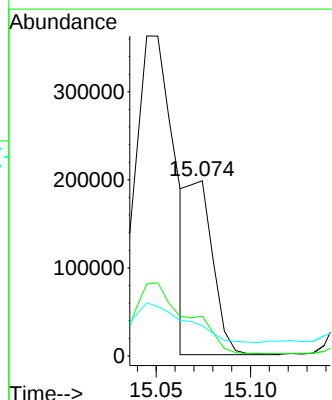
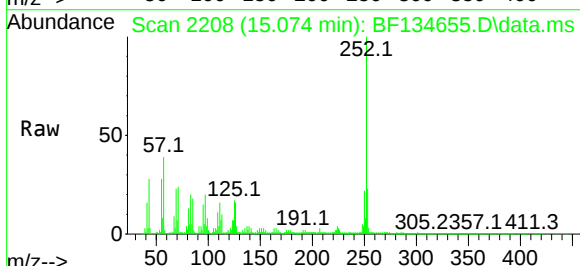
RT: 15.074 min Scan# 2208

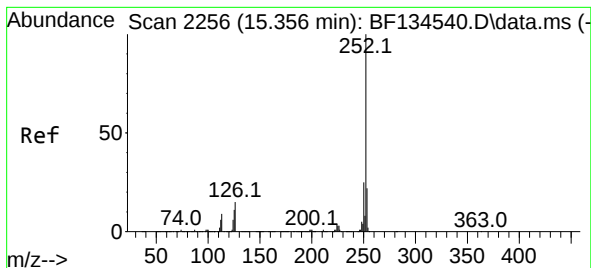
Delta R.T. 0.035 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Tgt Ion:252 Resp: 187653
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.9 26.9
 125 17.2 6.3 9.5





#90

Benzo(a)pyrene

Concen: 12.660 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

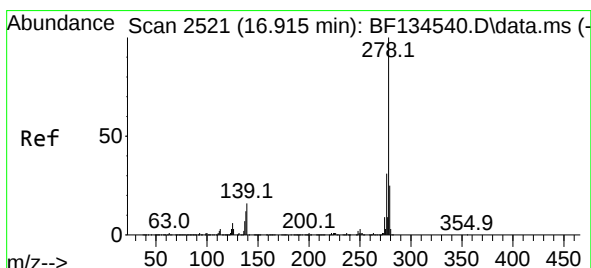
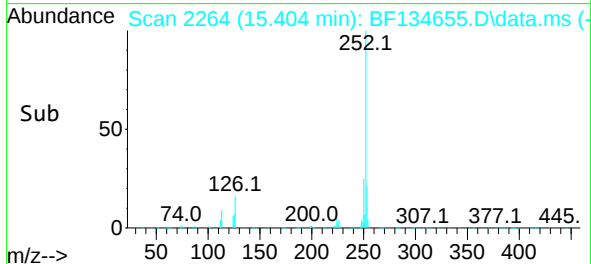
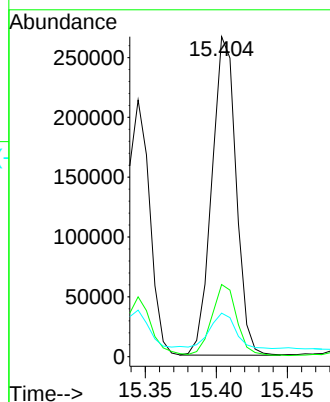
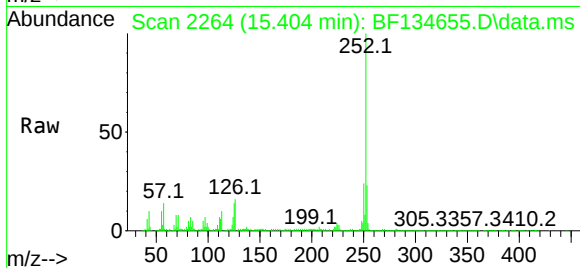
WC-1RE

Tgt Ion:252 Resp: 31646
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.0 25.4
 125 13.6 6.2 9.4

Manual Integrations

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



#91

Dibenzo(a,h)anthracene

Concen: 2.166 ng

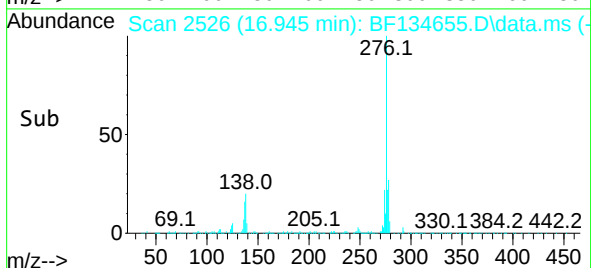
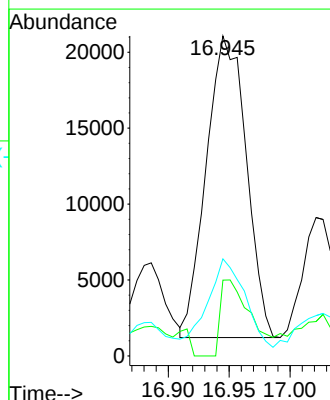
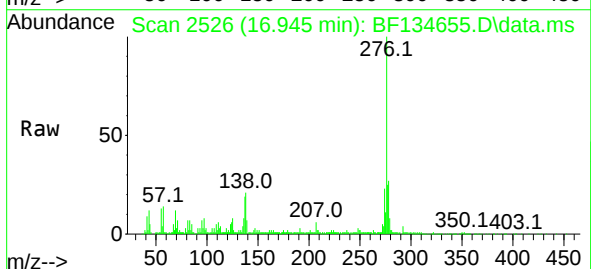
RT: 16.945 min Scan# 2526

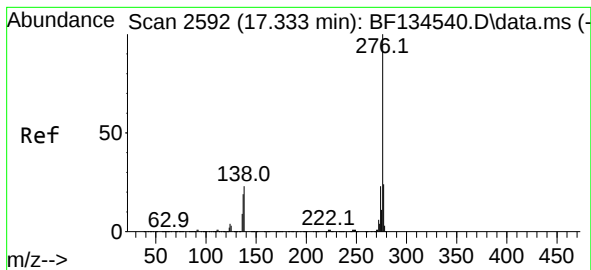
Delta R.T. -0.006 min

Lab File: BF134655.D

Acq: 07 Aug 2023 15:42

Tgt Ion:278 Resp: 45261
 Ion Ratio Lower Upper
 278 100
 139 23.7 10.0 15.0#
 279 30.4 19.7 29.5#





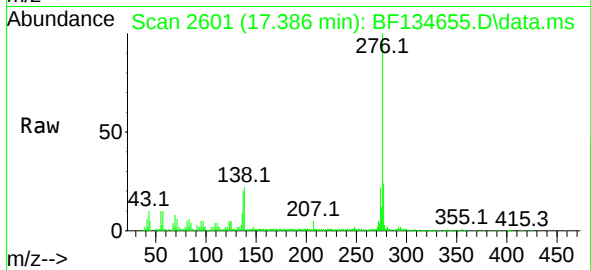
#92
 Benzo(g,h,i)perylene
 Concen: 8.011 ng
 RT: 17.386 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF134655.D
 Acq: 07 Aug 2023 15:42

Instrument :

BNA_F

ClientSampleId :

WC-1RE



Tgt Ion:276 Resp: 170725
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.0 28.6
 138 21.9 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023

