

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134333.D
 Acq On : 18 Jul 2023 00:50
 Operator : CG\JU
 Sample : 03581-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 18 01:20:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	69887	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	228599	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	91159	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	167222	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	92006	20.000	ng	0.00
86) Perylene-d12	15.545	264	81812	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	194527	46.561	ng	0.00
7) Phenol-d6	6.475	99	203777	39.661	ng	-0.01
23) Nitrobenzene-d5	7.398	82	123878	29.211	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	52177	45.651	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	270624	43.162	ng	-0.01
79) Terphenyl-d14	12.969	244	210982	36.906	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	34154	4.057	ng	# 85
75) Fluoranthene	12.598	202	60355	6.632	ng	95
78) Pyrene	12.833	202	49599	5.793	ng	97
81) Benzo(a)anthracene	14.027	228	19363m	3.035	ng	
83) Chrysene	14.063	228	25516	4.129	ng	96
84) Bis(2-ethylhexyl)phtha...	14.010	149	14582	3.952	ng	# 86
88) Benzo(b)fluoranthene	15.098	252	32631m	6.783	ng	
89) Benzo(k)fluoranthene	15.127	252	13212m	2.697	ng	
90) Benzo(a)pyrene	15.480	252	18038	3.878	ng	# 74

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

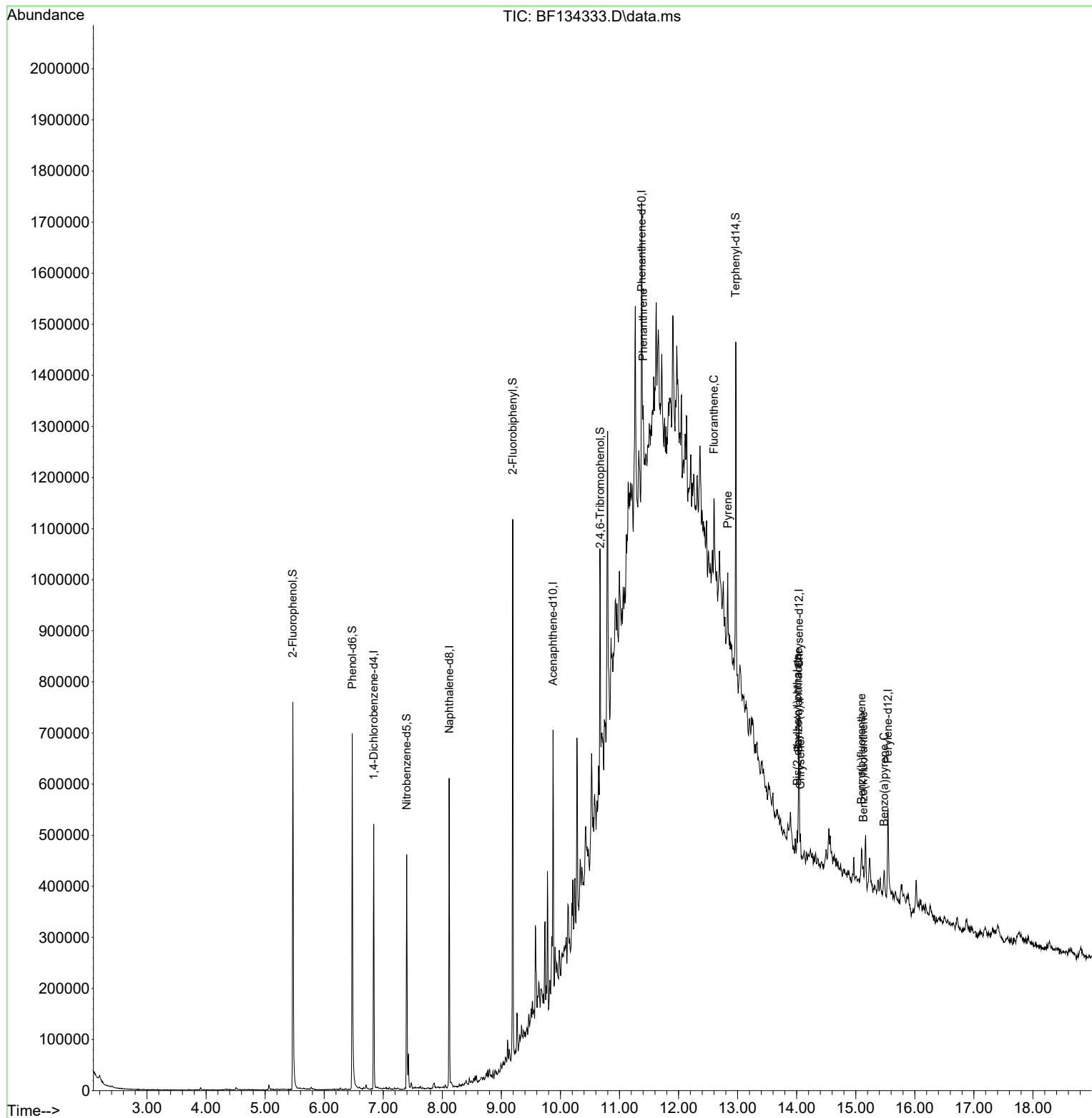
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134333.D
Acq On : 18 Jul 2023 00:50
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Sample : 03581-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

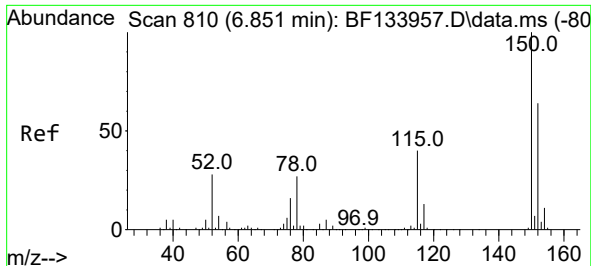
Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Time: Jul 18 01:20:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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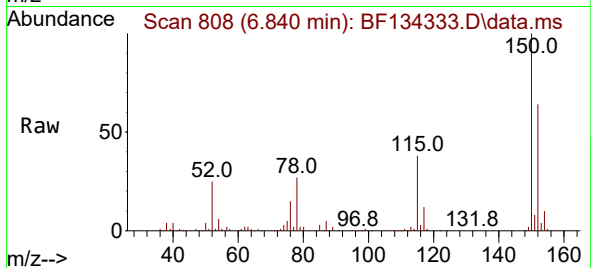
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

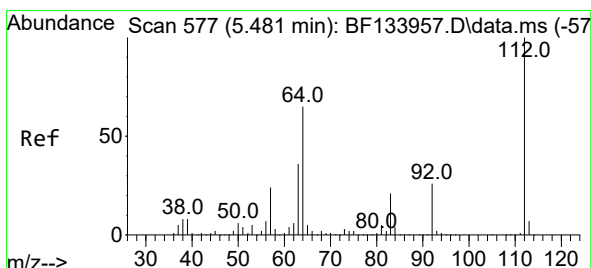
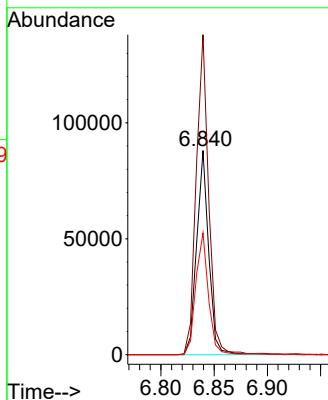
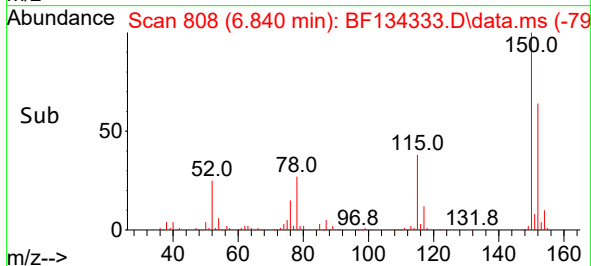
Instrument :
BNA_F
ClientSampleId :
WC-1



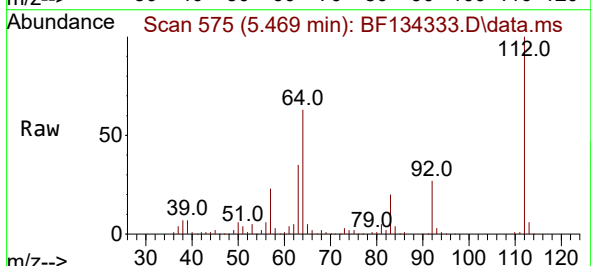
Tgt Ion:152 Resp: 6988
Ion Ratio Lower Upper
152 100
150 156.7 124.5 186.7
115 59.7 50.2 75.2

Manual Integrations
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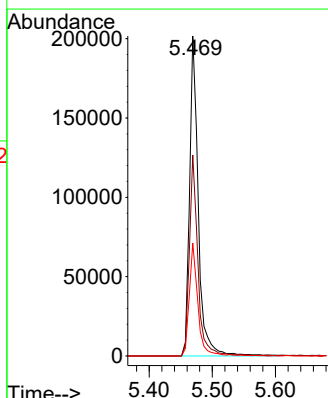
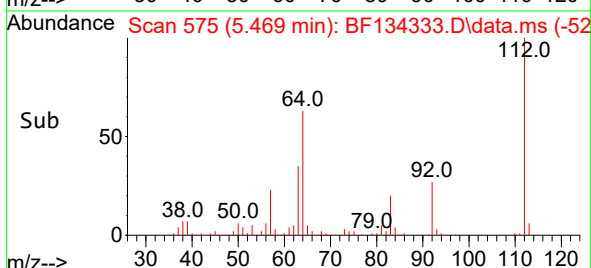
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

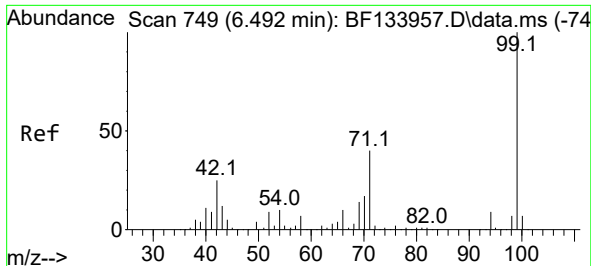


#5
2-Fluorophenol
Concen: 46.561 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50



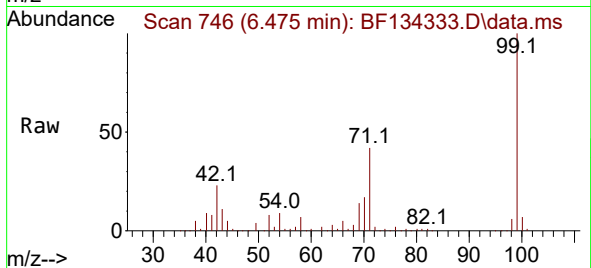
Tgt Ion:112 Resp: 194527
Ion Ratio Lower Upper
112 100
64 62.8 52.1 78.1
63 35.3 28.6 42.8





#7
Phenol-d6
Concen: 39.661 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

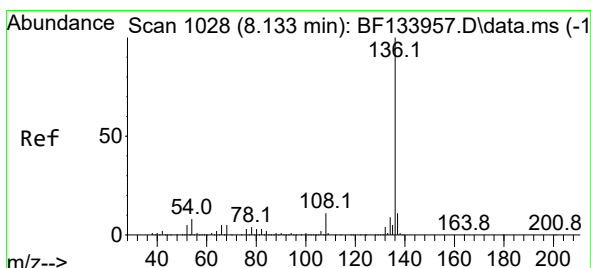
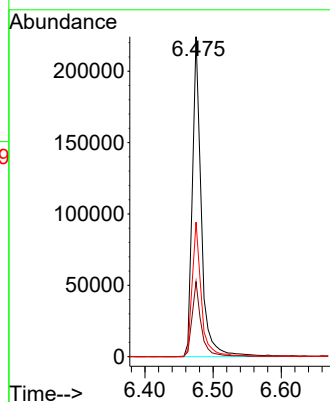
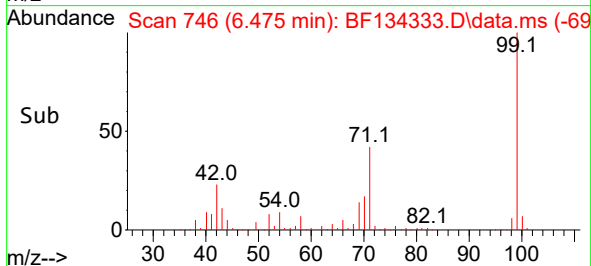
Instrument :
BNA_F
ClientSampleId :
WC-1



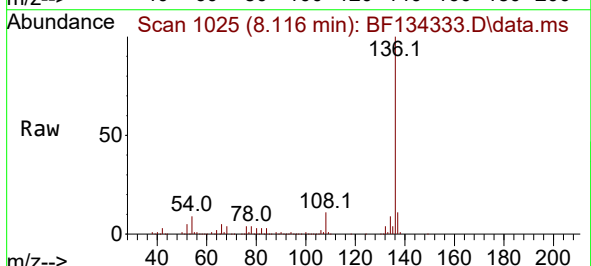
Tgt Ion: 99 Resp: 20377
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 42.0 31.9 47.9

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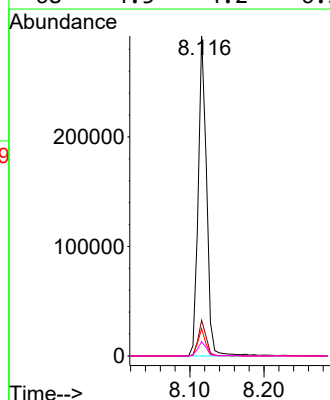
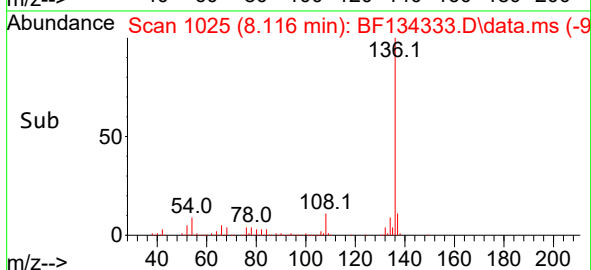
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

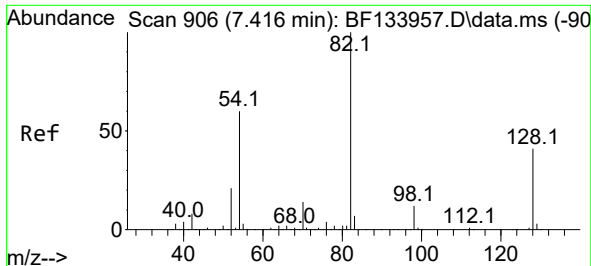


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50



Tgt Ion:136 Resp: 228599
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 8.5 6.5 9.7
68 4.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 29.211 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 123878

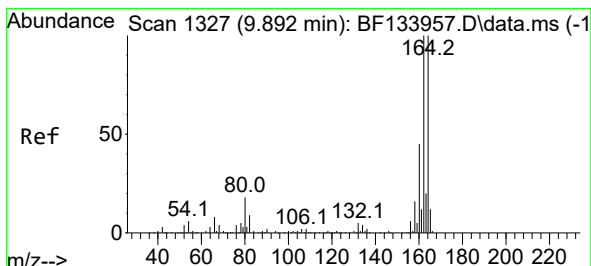
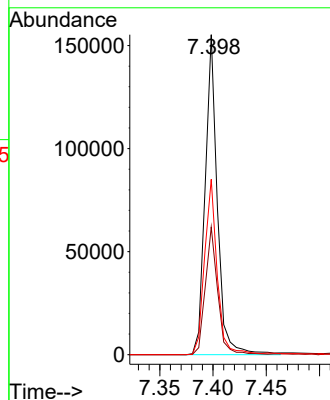
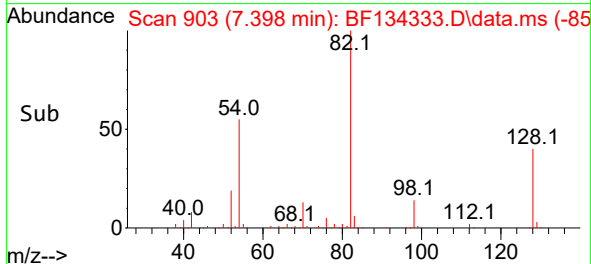
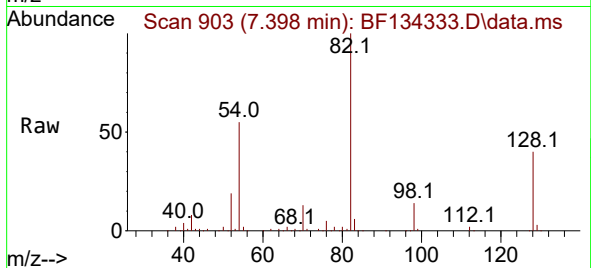
Ion	Ratio	Lower	Upper
82	100		
128	39.9	32.5	48.7
54	54.8	48.2	72.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

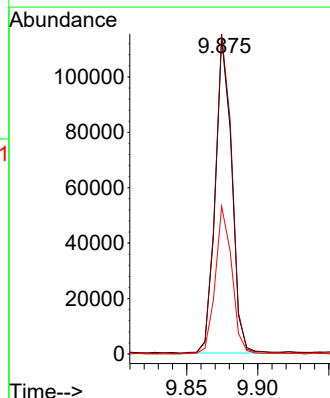
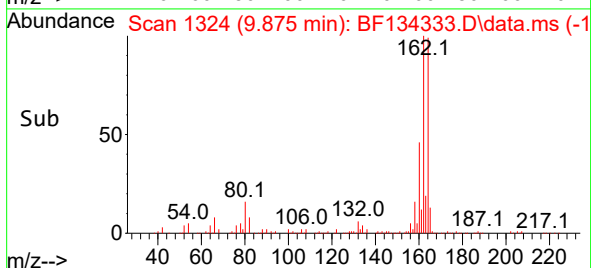
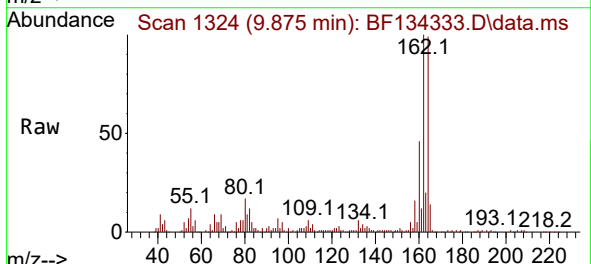
Delta R.T. -0.006 min

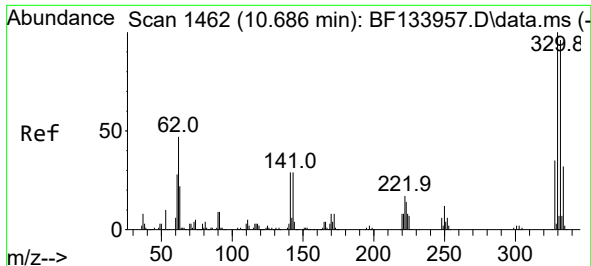
Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Tgt Ion:164 Resp: 91159

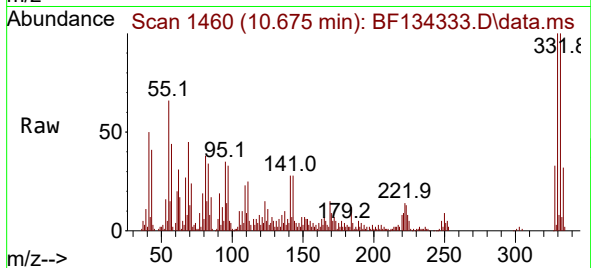
Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.0	120.0
160	46.7	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 45.651 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

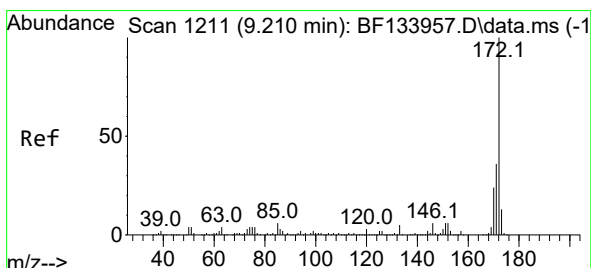
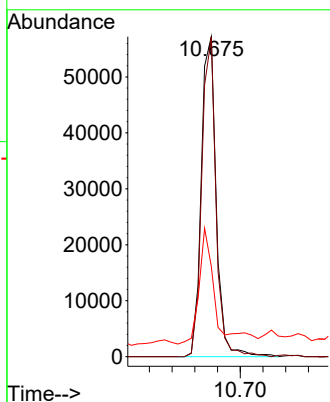
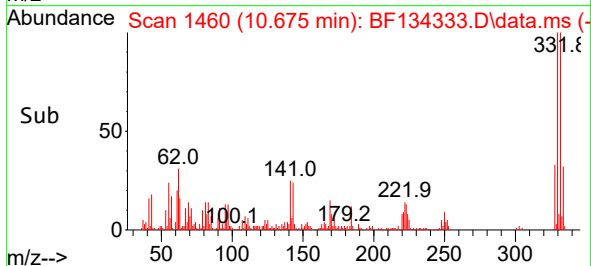
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:330 Resp: 5217
Ion Ratio Lower Upper
330 100
332 94.8 77.0 115.6
141 34.3 26.3 39.5

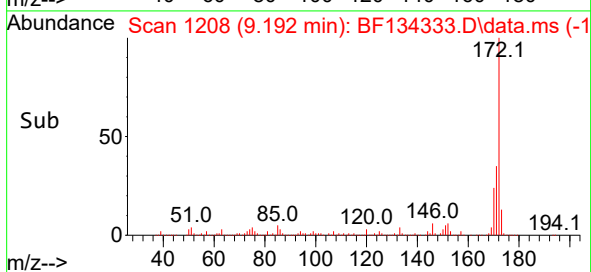
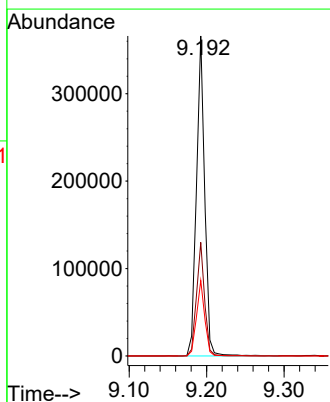
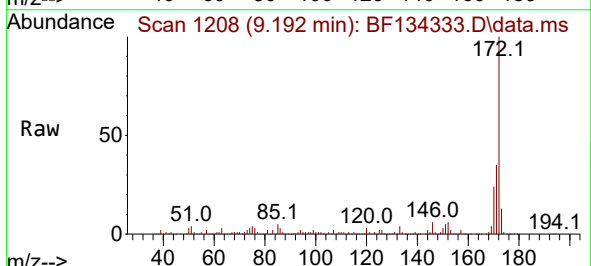
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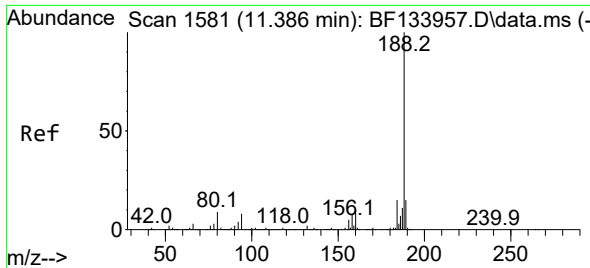
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#45
2-Fluorobiphenyl
Concen: 43.162 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion:172 Resp: 270624
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.4 29.0





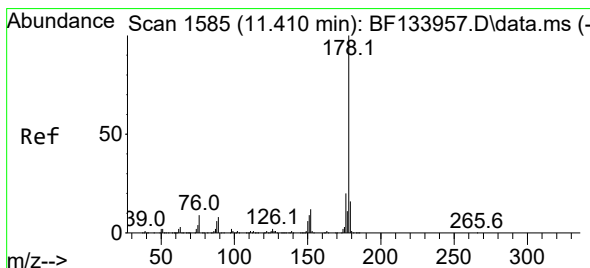
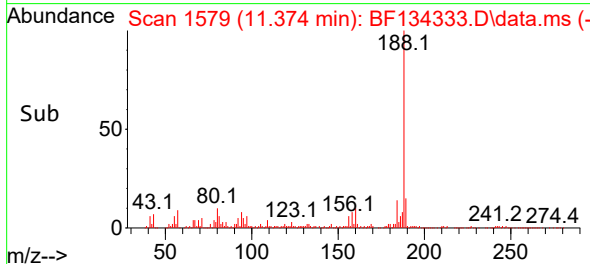
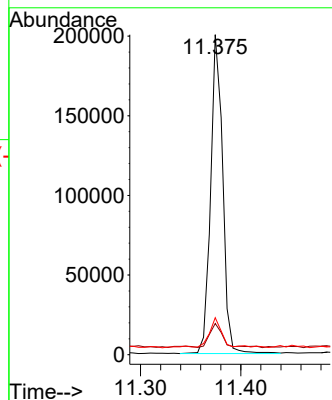
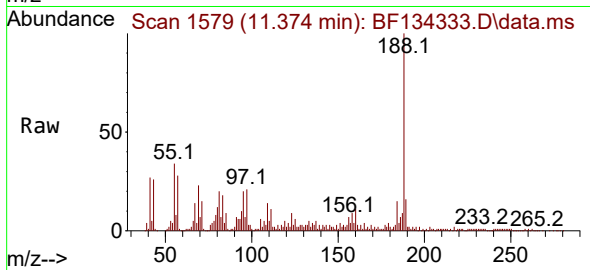
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:188 Resp: 16722
Ion Ratio Lower Upper
188 100
94 9.7 6.4 9.6
80 11.6 7.3 10.9

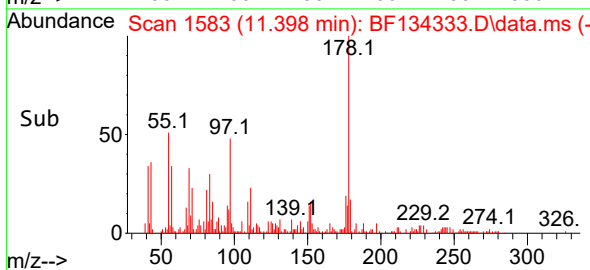
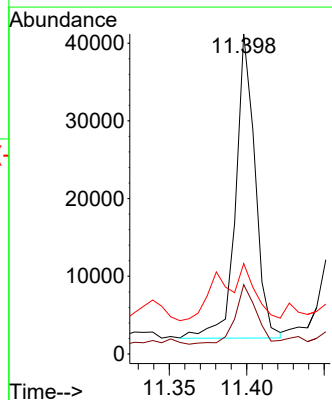
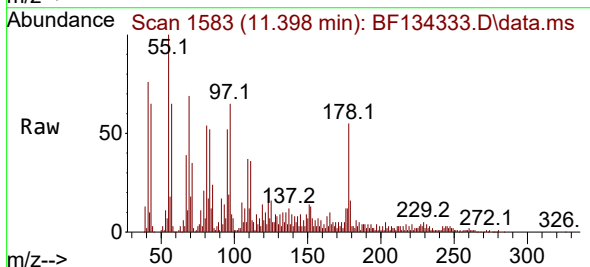
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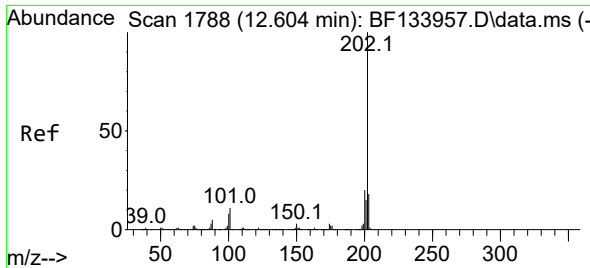
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 4.057 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

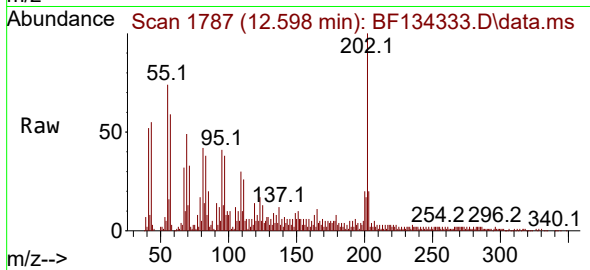
Tgt Ion:178 Resp: 34154
Ion Ratio Lower Upper
178 100
176 21.7 16.0 24.0
179 28.3 12.4 18.6





#75
Fluoranthene
Concen: 6.632 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

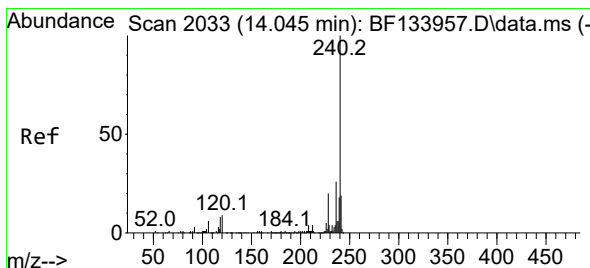
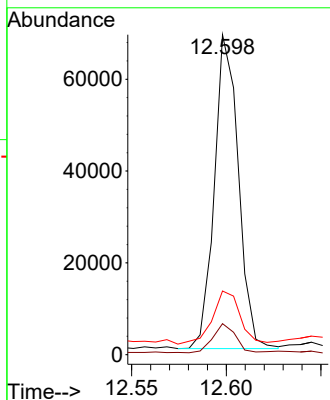
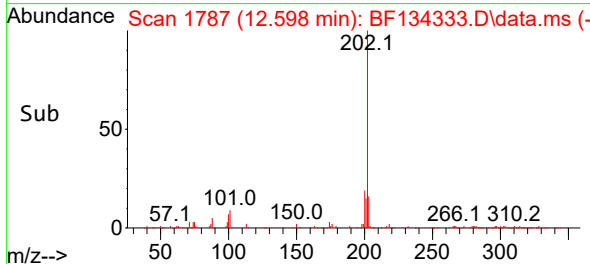
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:202 Resp: 6035
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.0
203 19.9 0.0 37.6

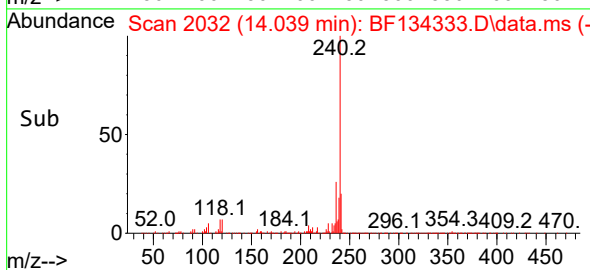
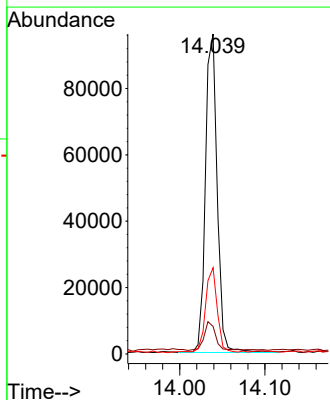
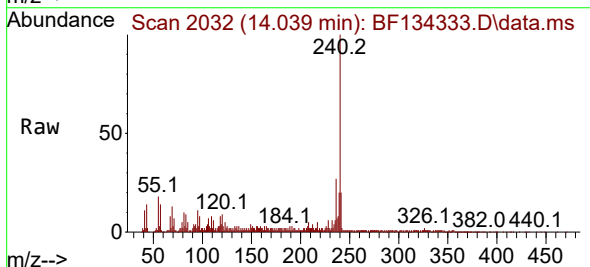
Manual Integrations
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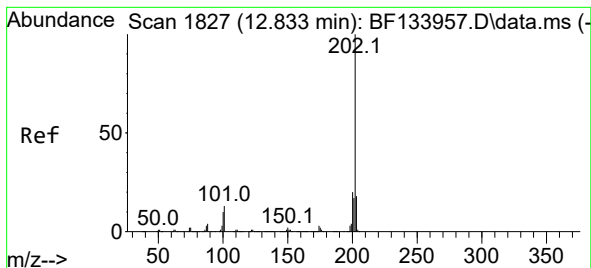
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion:240 Resp: 92006
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 26.9 21.0 31.6





#78

Pyrene

Concen: 5.793 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Instrument :

BNA_F

ClientSampleId :

WC-1

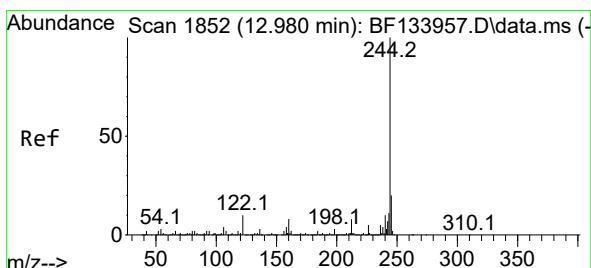
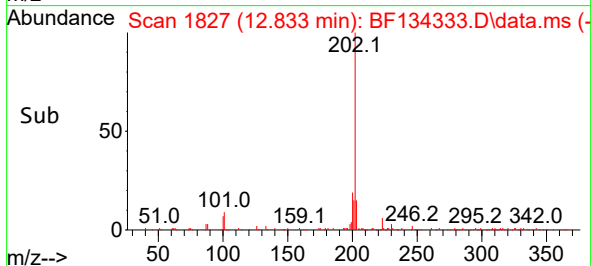
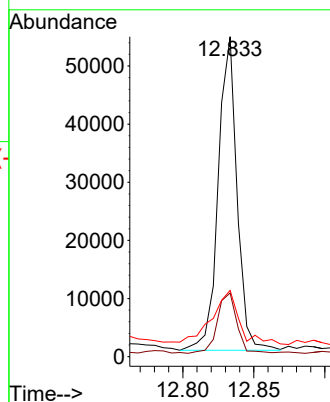
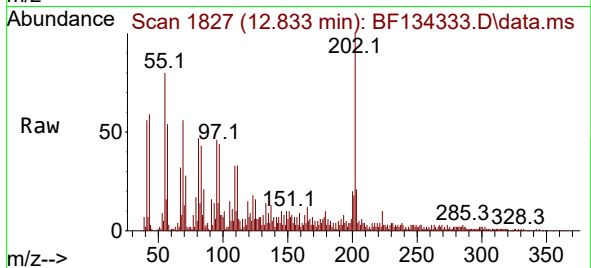
Tgt Ion:	202	Resp:	4959
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.1	24.1
203	20.7	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#79

Terphenyl-d14

Concen: 36.906 ng

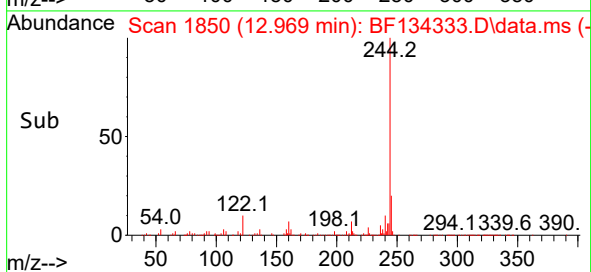
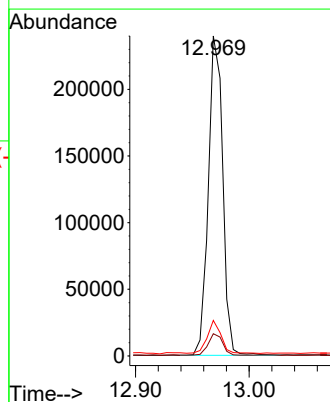
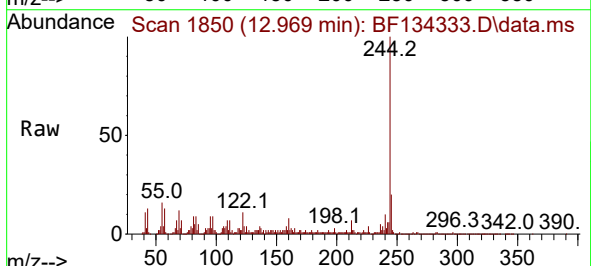
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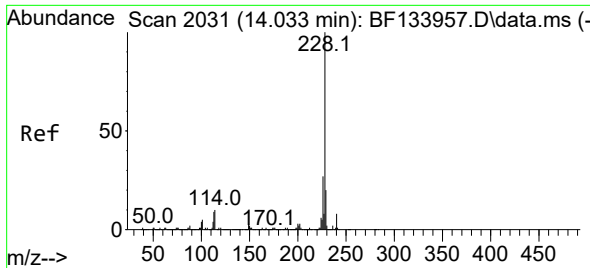
Delta R.T. -0.006 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Tgt Ion:	244	Resp:	210982
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	11.1	8.3	12.5





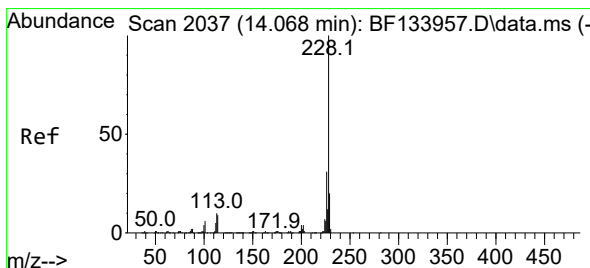
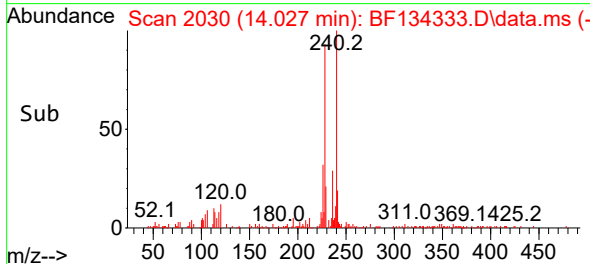
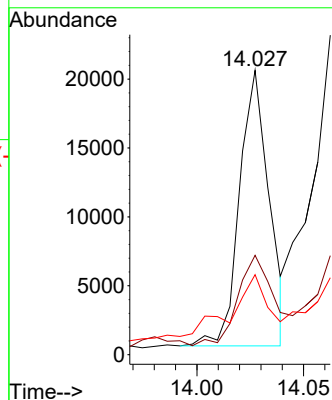
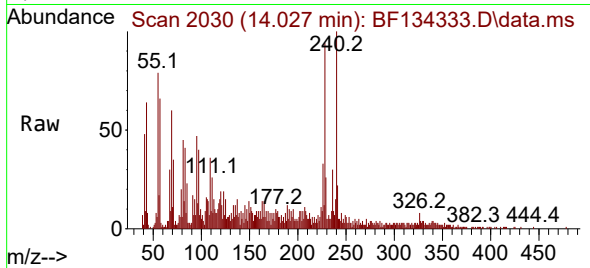
#81
Benzo(a)anthracene
Concen: 3.035 ng m
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:228 Resp: 1936
Ion Ratio Lower Upper
228 100
226 35.0 22.0 33.0
229 28.2 16.3 24.5

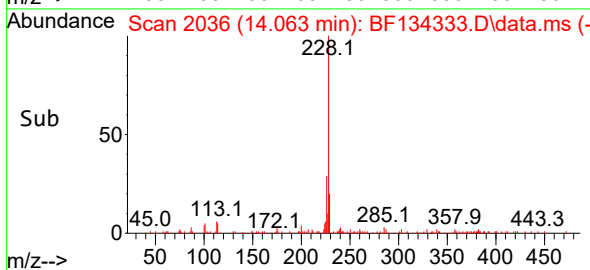
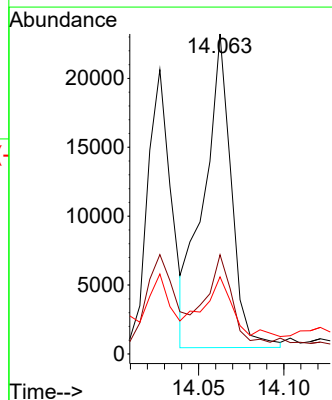
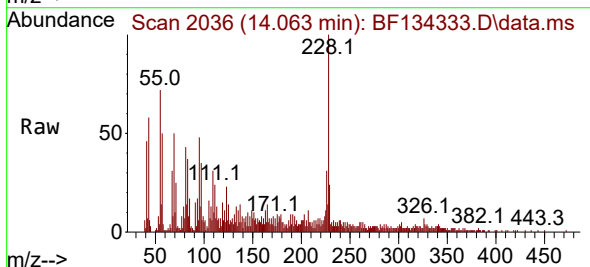
Manual Integrations
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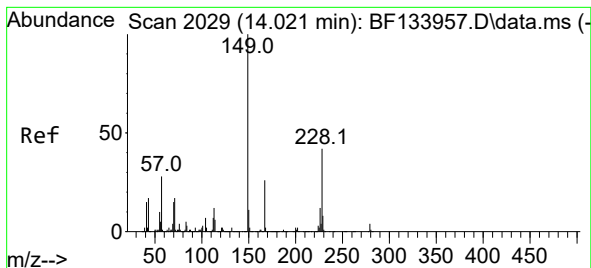
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#83
Chrysene
Concen: 4.129 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

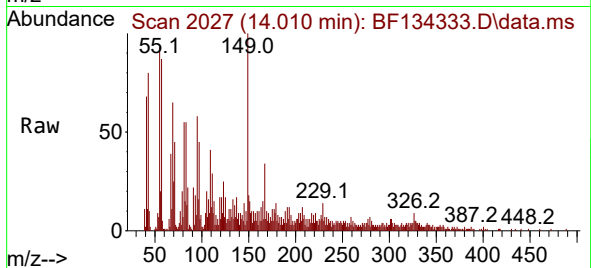
Tgt Ion:228 Resp: 25516
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 24.1 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.952 ng
RT: 14.010 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

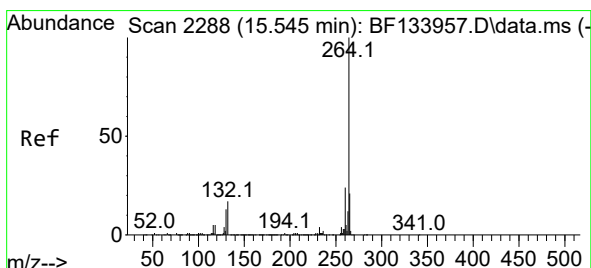
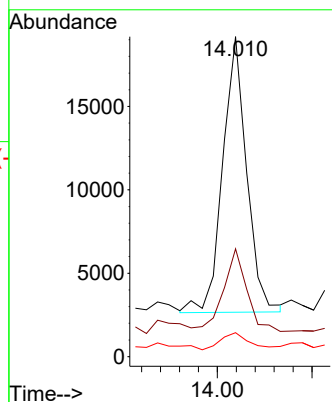
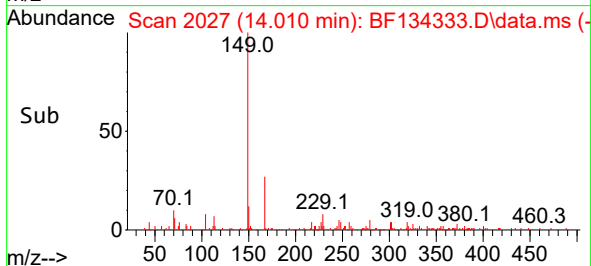
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:149 Resp: 14582
Ion Ratio Lower Upper
149 100
167 33.7 21.0 31.4
279 7.5 3.3 4.9

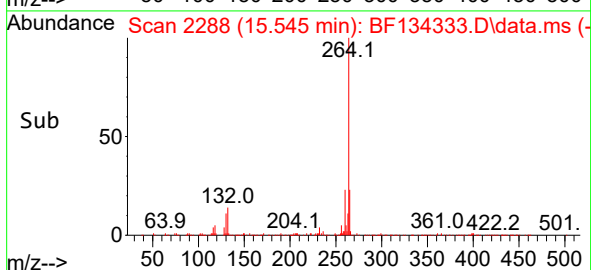
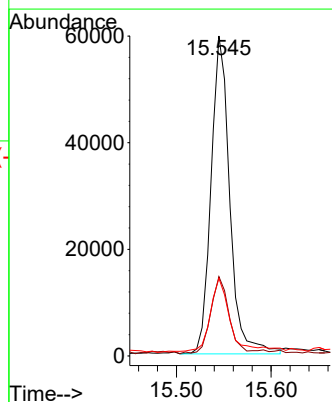
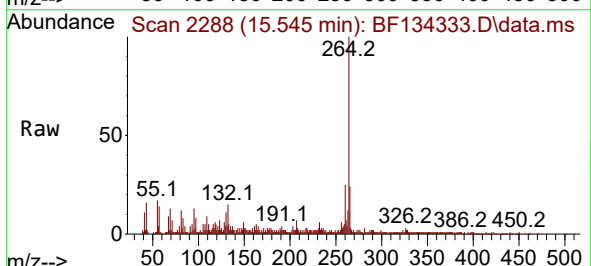
Manual Integrations
APPROVED

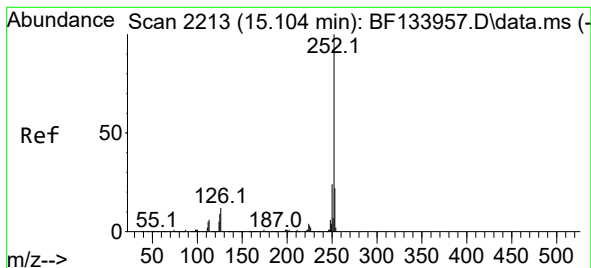
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BF134333.D
Acq: 18 Jul 2023 00:50

Tgt Ion:264 Resp: 81812
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 24.3 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 6.783 ng m

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Instrument :

BNF

ClientSampleId :

WC-1

Tgt Ion:252 Resp: 3263

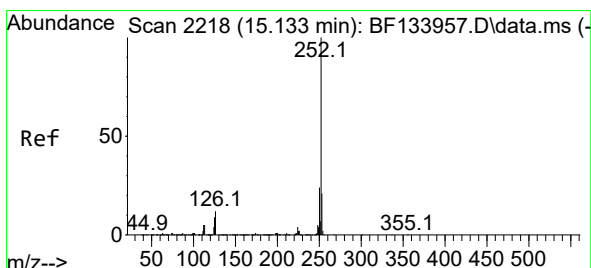
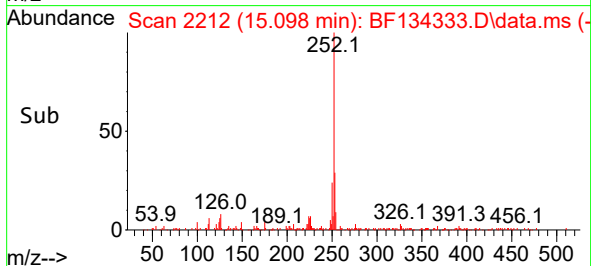
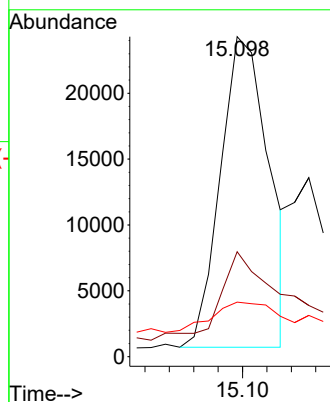
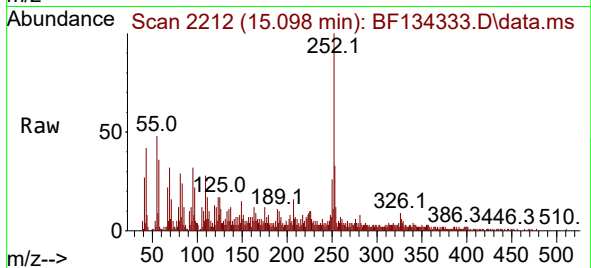
Ion	Ratio	Lower	Upper
252	100		
253	32.8	17.4	26.0
125	17.0	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#89

Benzo(k)fluoranthene

Concen: 2.697 ng m

RT: 15.127 min Scan# 2217

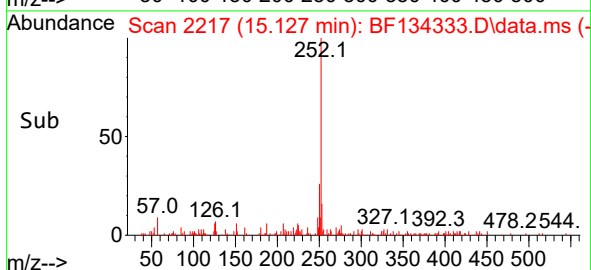
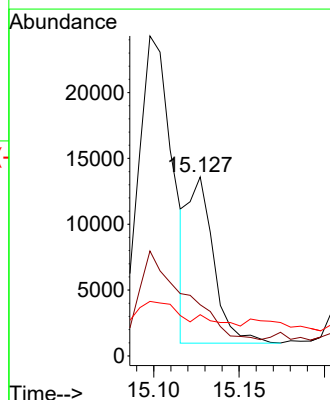
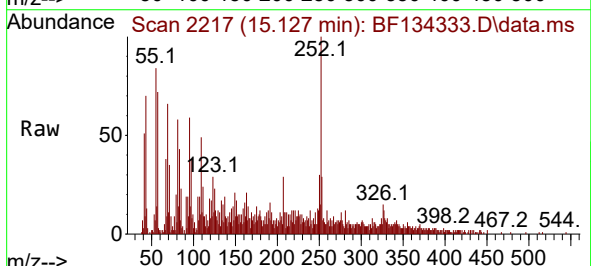
Delta R.T. -0.006 min

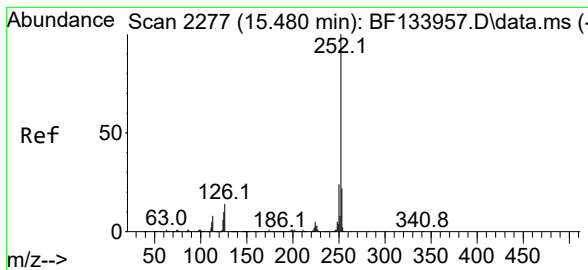
Lab File: BF134333.D

Acq: 18 Jul 2023 00:50

Tgt Ion:252 Resp: 13212

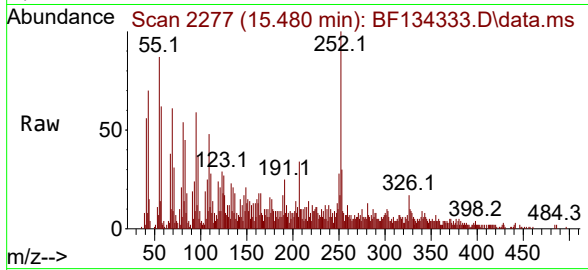
Ion	Ratio	Lower	Upper
252	100		
253	28.6	16.9	25.3
125	23.1	7.4	11.2





#90
 Benzo(a)pyrene
 Concen: 3.878 ng
 RT: 15.480 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF134333.D
 Acq: 18 Jul 2023 00:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:252 Resp: 18038
 Ion Ratio Lower Upper
 252 100
 253 29.9 17.4 26.0
 125 26.8 8.4 12.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

