

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134012.D
 Acq On : 28 Jun 2023 04:17
 Operator : CG\JU
 Sample : 03399-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 04:50:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	102971	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	340609	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	109283	20.000	ng	# 0.05
64) Phenanthrene-d10	11.521	188	106597	20.000	ng	# 0.14
76) Chrysene-d12	14.121	240	105820m	20.000	ng	0.08
86) Perylene-d12	15.598	264	116243m	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	245721	39.917	ng	0.00
7) Phenol-d6	6.486	99	588360	77.719	ng	0.00
23) Nitrobenzene-d5	7.410	82	439482	69.553	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	2310m	1.686	ng	0.11
45) 2-Fluorobiphenyl	9.233	172	749777	99.750	ng	0.02
79) Terphenyl-d14	13.098	244	382753m	58.213	ng	0.12
Target Compounds						Qvalue
30) 1,2,4-Trichlorobenzene	8.069	180	37915	7.643	ng	98
37) 2-Methylnaphthalene	8.845	142	50465	4.338	ng	95
38) 1-Methylnaphthalene	8.945	142	40795	3.772	ng	96
46) 1,1'-Biphenyl	9.333	154	59559	6.794	ng	95
71) Phenanthrene	11.545	178	292859	54.574	ng	# 16
75) Fluoranthene	12.757	202	130769	22.541	ng	# 59
78) Pyrene	12.980	202	162908m	16.542	ng	
81) Benzo(a)anthracene	14.115	228	161527m	22.010	ng	
83) Chrysene	14.151	228	211066m	29.694	ng	
87) Indeno(1,2,3-cd)pyrene	17.133	276	45709m	5.667	ng	
88) Benzo(b)fluoranthene	15.151	252	138360m	20.242	ng	
89) Benzo(k)fluoranthene	15.180	252	48819m	7.015	ng	
90) Benzo(a)pyrene	15.533	252	73580m	11.132	ng	
92) Benzo(g,h,i)perylene	17.603	276	48743m	7.174	ng	

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

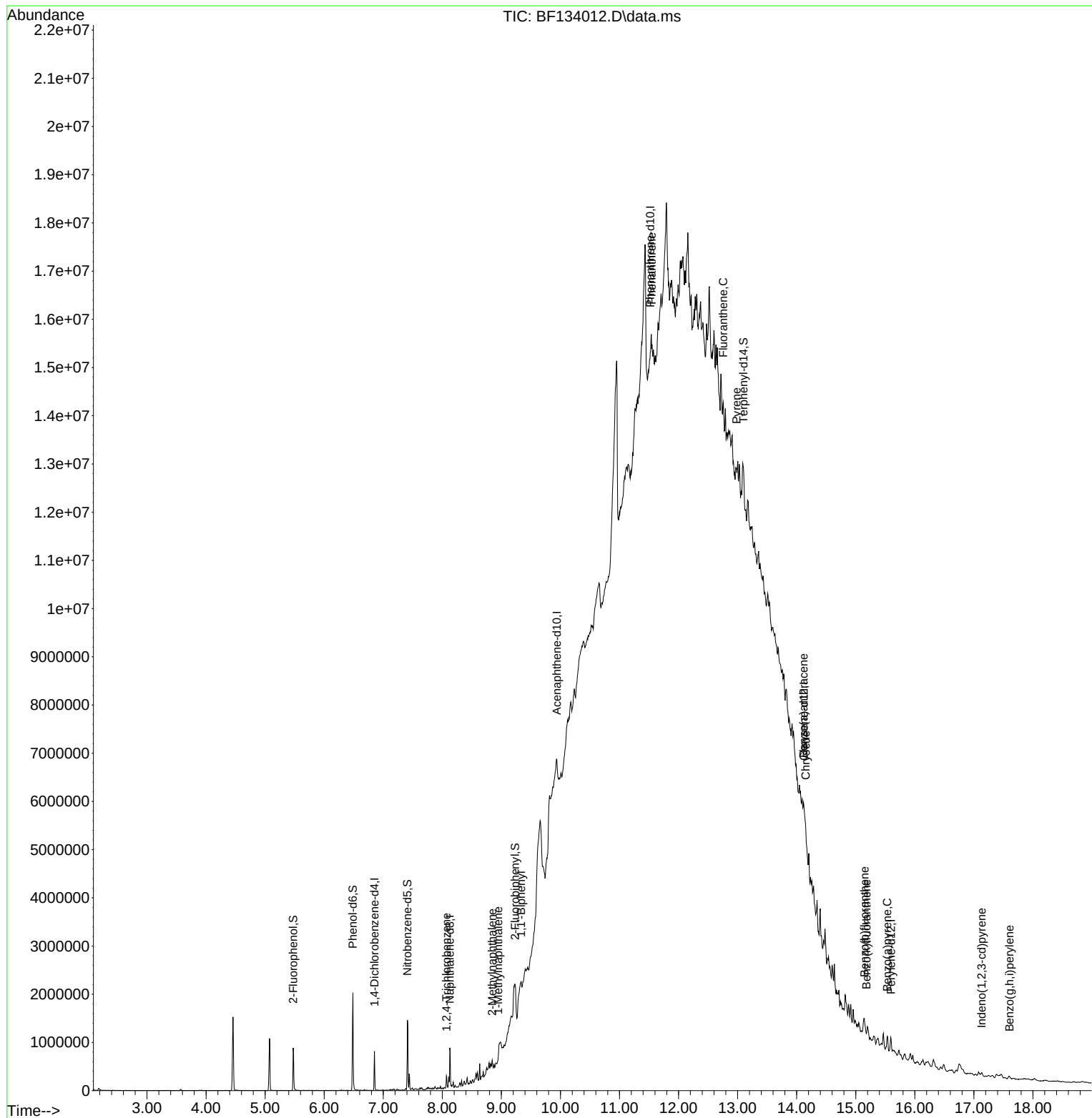
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134012.D
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Sample : 03399-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

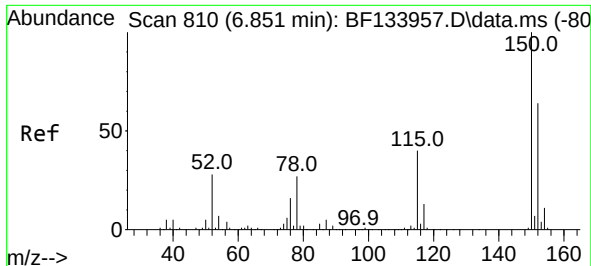
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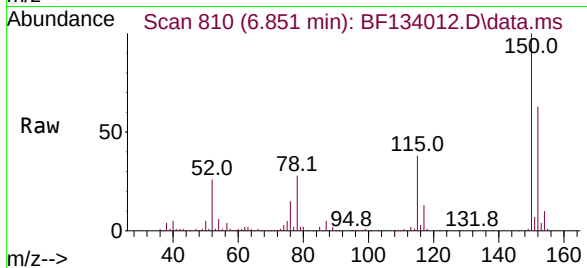
Quant Time: Jun 28 04:50:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 23:12:04 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

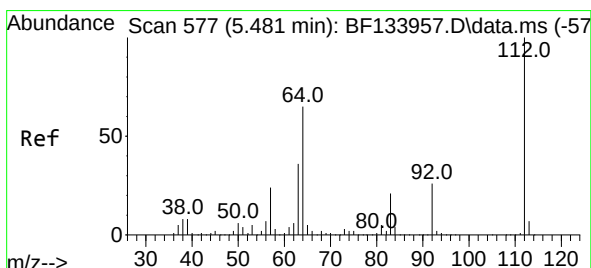
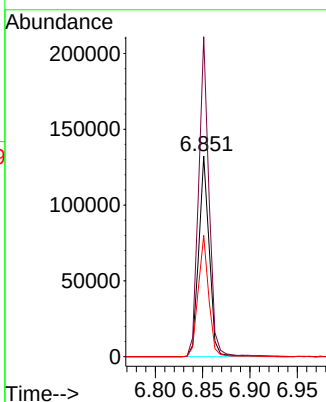
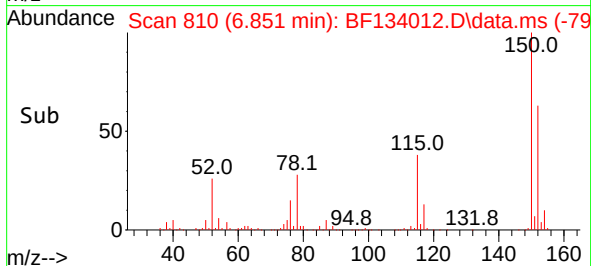
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



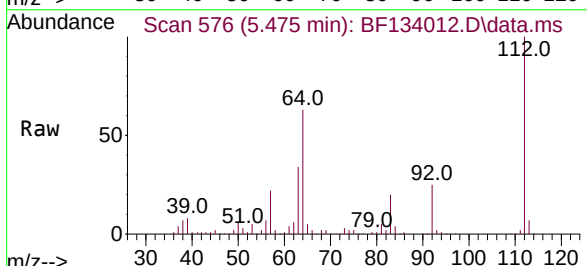
Tgt Ion:152 Resp: 10297
Ion Ratio Lower Upper
152 100
150 159.5 124.5 186.7
115 60.4 50.2 75.2

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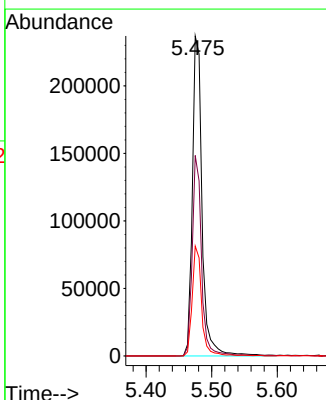
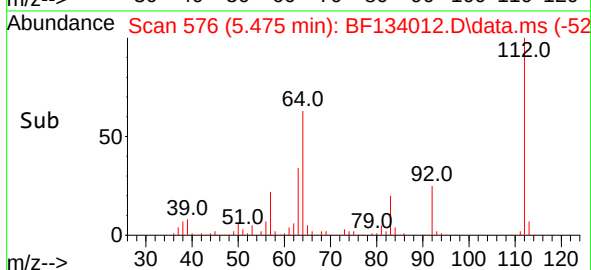
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

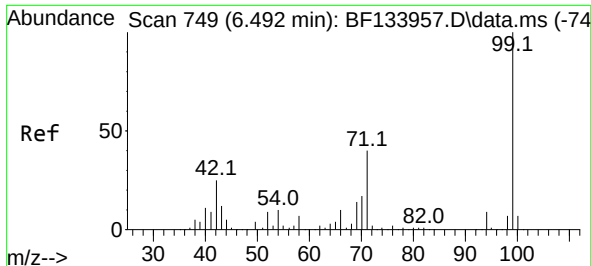


#5
2-Fluorophenol
Concen: 39.917 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17



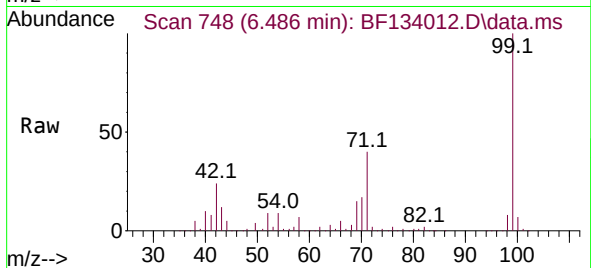
Tgt Ion:112 Resp: 245721
Ion Ratio Lower Upper
112 100
64 62.7 52.1 78.1
63 34.3 28.6 42.8





#7
Phenol-d6
Concen: 77.719 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

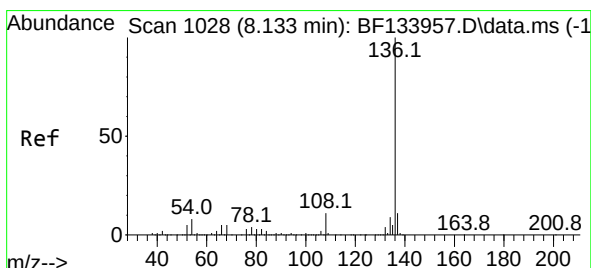
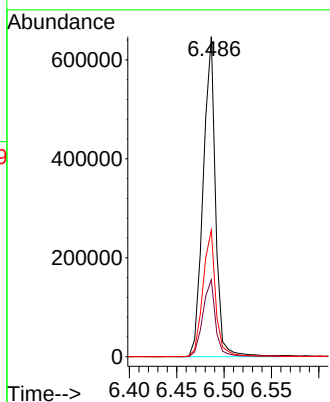
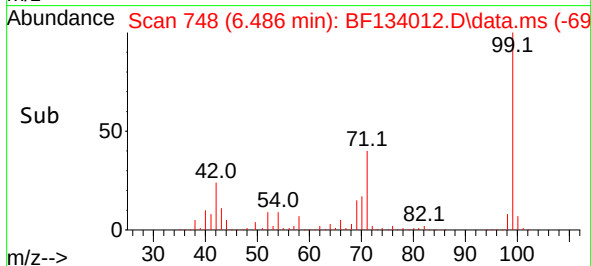
Instrument :
BNA_F
ClientSampleId :
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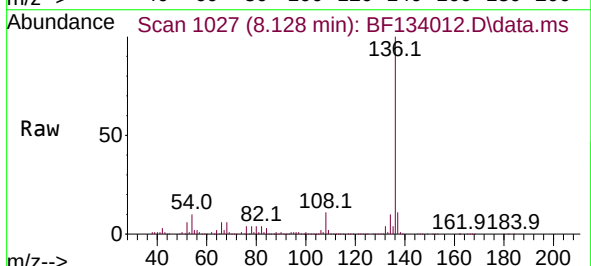
Tgt Ion: 99 Resp: 588360
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.6
71 39.6 31.9 47.9

Manual Integrations
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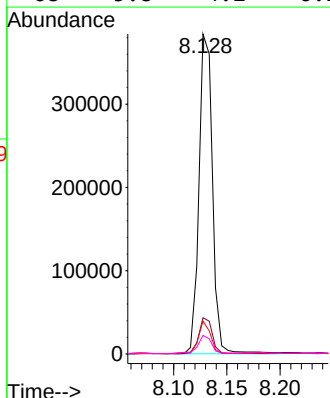
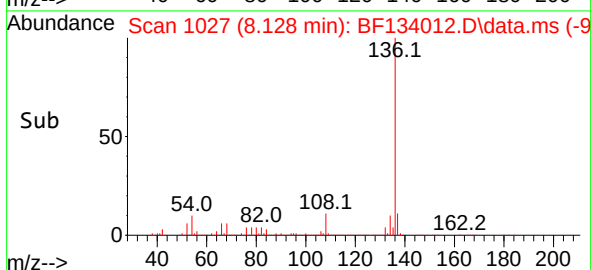
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

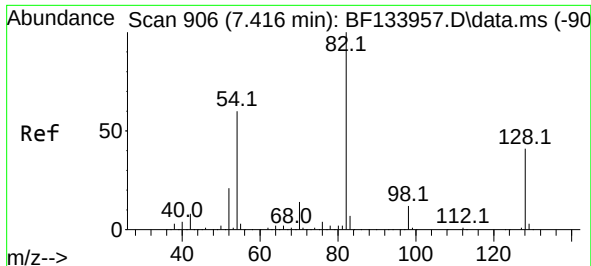


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17



Tgt Ion:136 Resp: 340609
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.2 6.5 9.7#
68 5.8 4.2 6.2





#23
Nitrobenzene-d5
Concen: 69.553 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

Instrument :

BNA_F

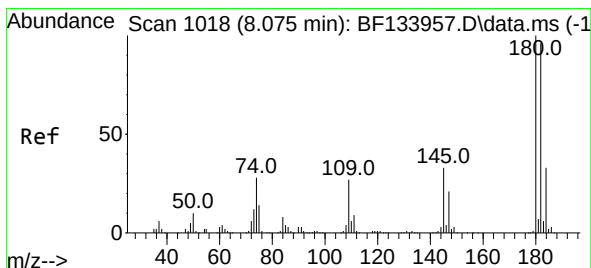
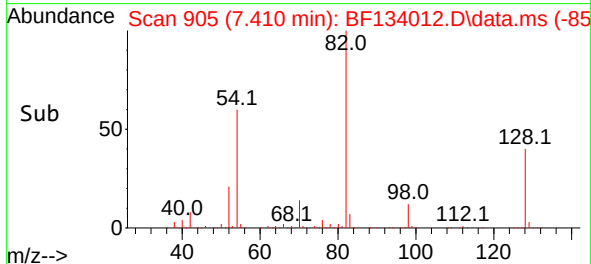
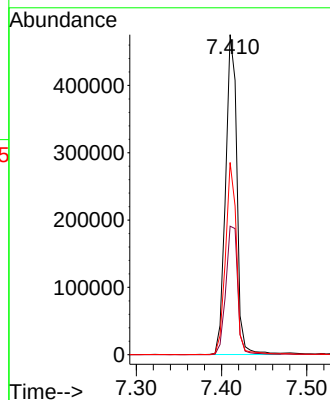
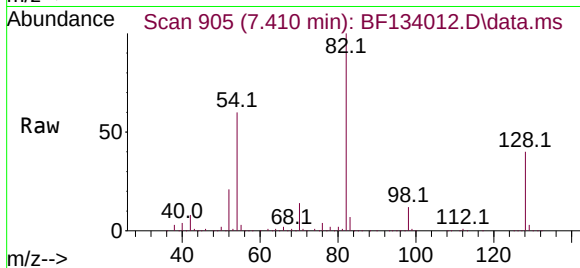
ClientSampleId :

CONC-WC-1

Tgt Ion: 82 Resp: 43948
Ion Ratio Lower Upper
82 100
128 40.2 32.5 48.7
54 60.0 48.2 72.2

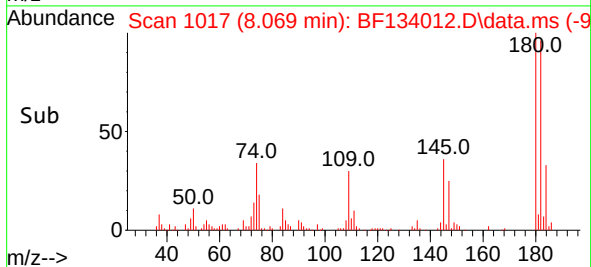
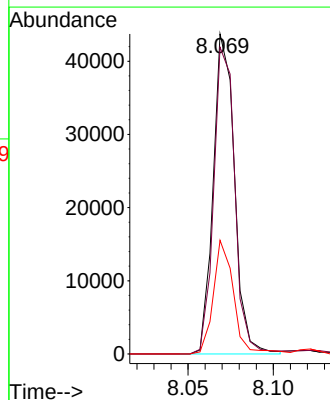
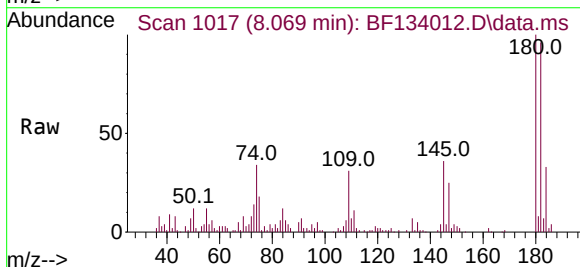
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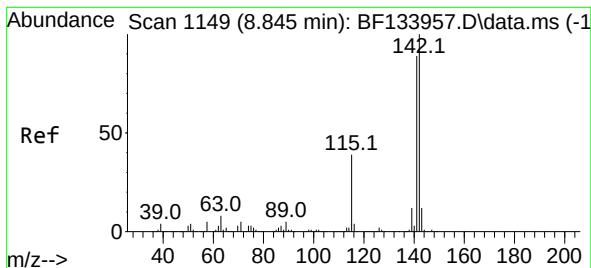
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#30
1,2,4-Trichlorobenzene
Concen: 7.643 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

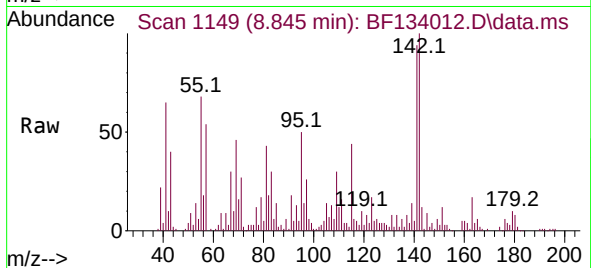
Tgt Ion:180 Resp: 37915
Ion Ratio Lower Upper
180 100
182 95.9 77.1 115.7
145 35.5 26.0 39.0





#37
2-Methylnaphthalene
Concen: 4.338 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

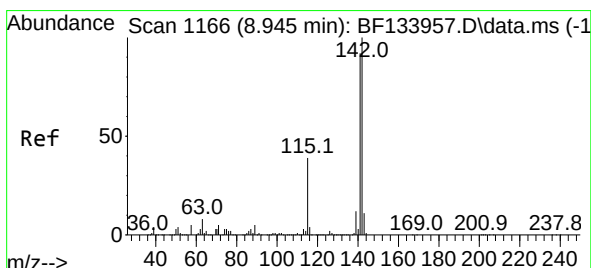
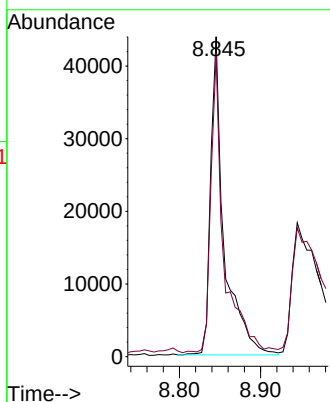
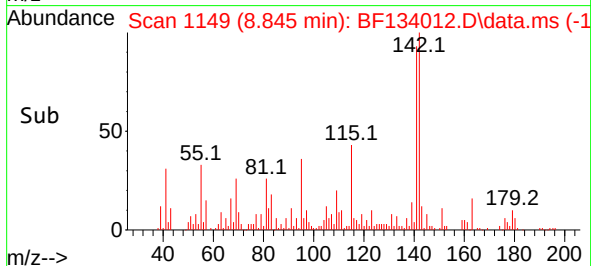
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



Tgt Ion:142 Resp: 5046
Ion Ratio Lower Upper
142 100
141 93.8 71.0 106.4

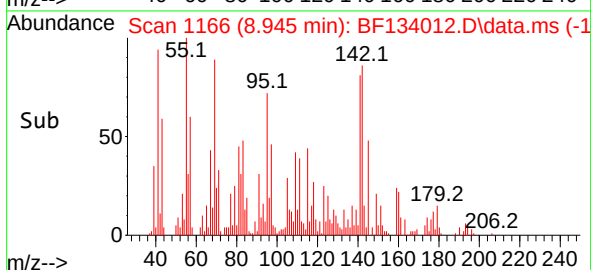
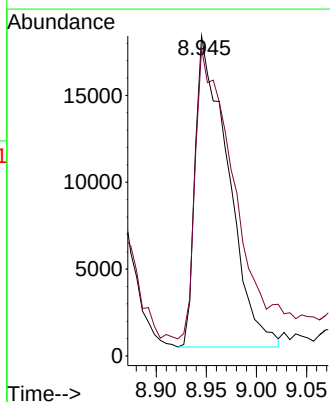
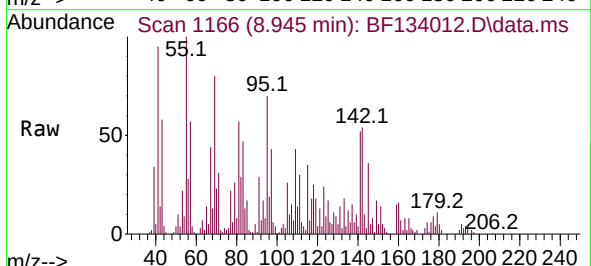
Manual Integrations
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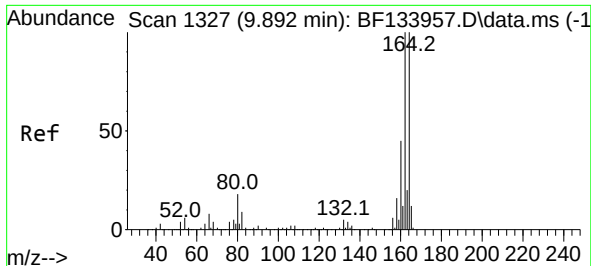
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#38
1-Methylnaphthalene
Concen: 3.772 ng
RT: 8.945 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

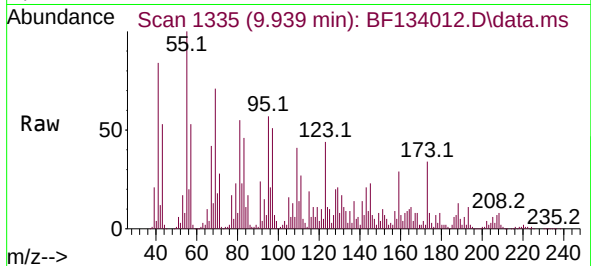
Tgt Ion:142 Resp: 40795
Ion Ratio Lower Upper
142 100
141 96.2 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

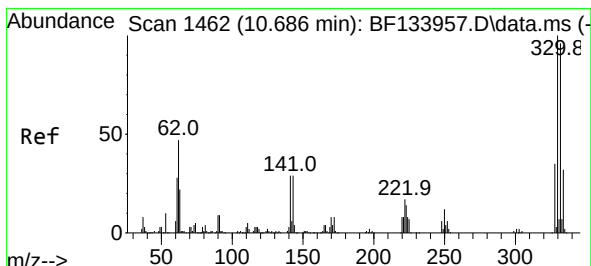
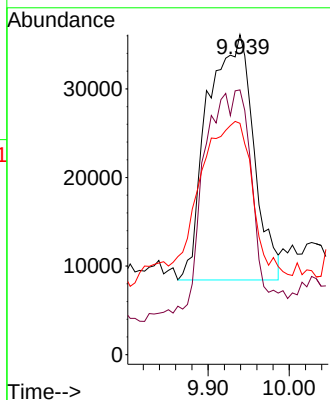
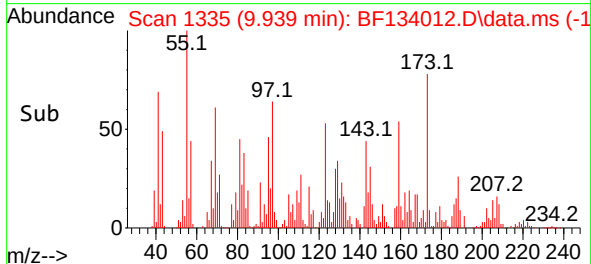
Instrument :
BNA_F
Client Sample Id :
CONC-WC-1



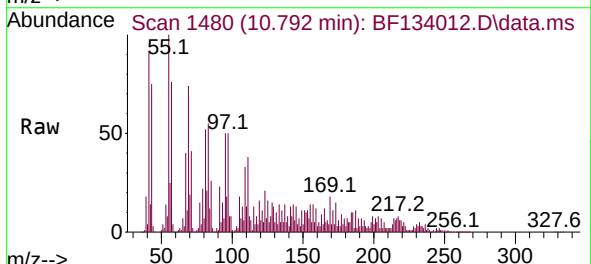
Tgt Ion:164 Resp: 10928
Ion Ratio Lower Upper
164 100
162 82.8 80.0 120.0
160 72.3 35.9 53.9

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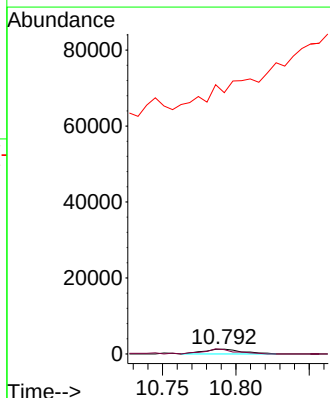
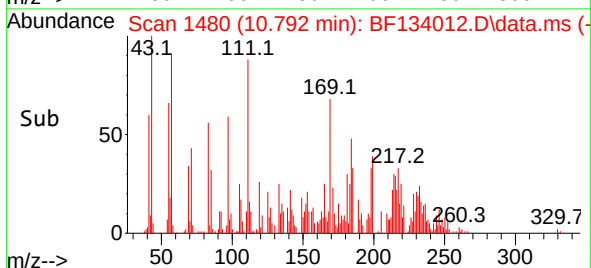
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

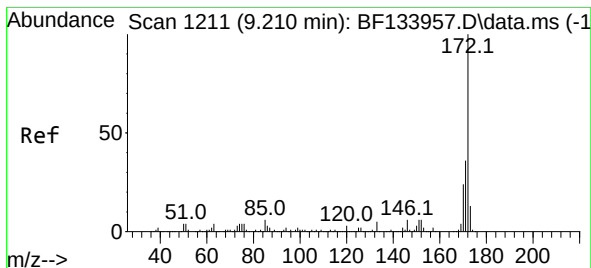


#42
2,4,6-Tribromophenol
Concen: 1.686 ng m
RT: 10.792 min Scan# 1480
Delta R.T. 0.106 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17



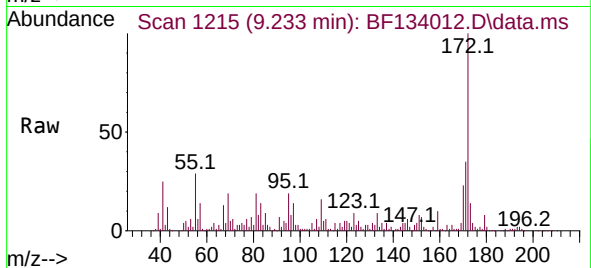
Tgt Ion:330 Resp: 2310
Ion Ratio Lower Upper
330 100
332 11.8 77.0 115.6#
141 0.0 26.3 39.5#





#45
2-Fluorobiphenyl
Concen: 99.750 ng
RT: 9.233 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

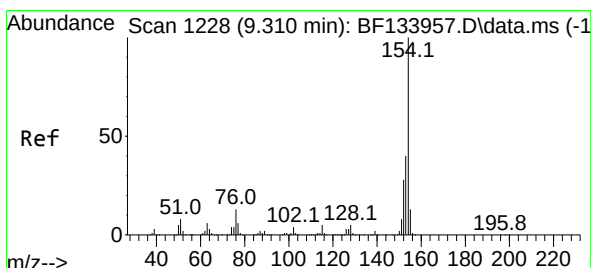
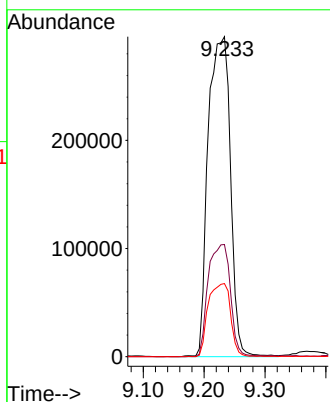
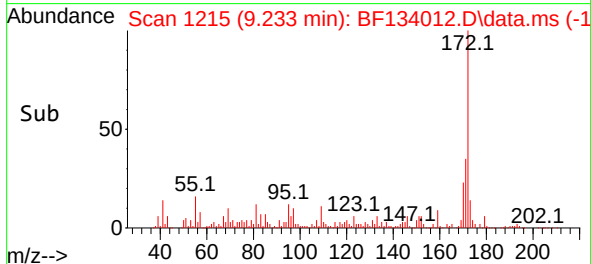
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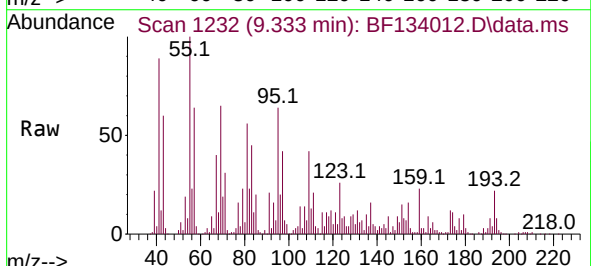
Tgt Ion:172 Resp: 74977
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 22.8 19.4 29.0

Manual Integrations
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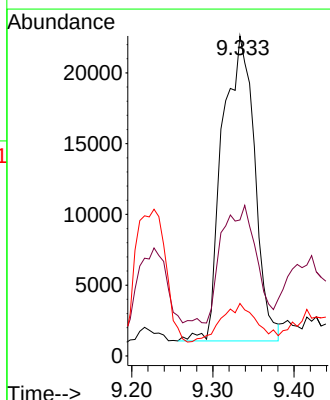
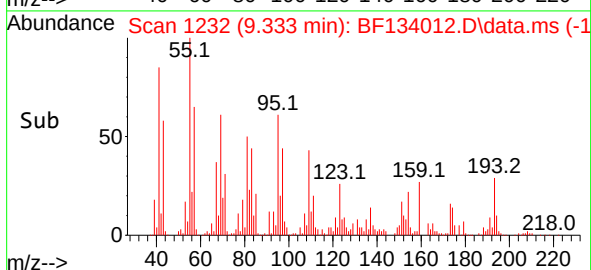
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

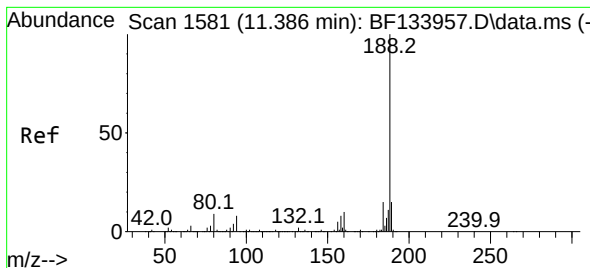


#46
1,1'-Biphenyl
Concen: 6.794 ng
RT: 9.333 min Scan# 1232
Delta R.T. 0.023 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17



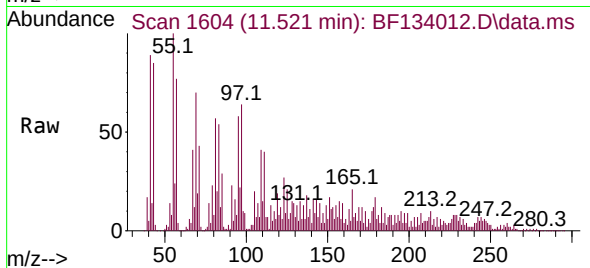
Tgt Ion:154 Resp: 59559
Ion Ratio Lower Upper
154 100
153 42.5 19.8 59.8
76 16.4 0.0 32.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.521 min Scan# 1604
Delta R.T. 0.135 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

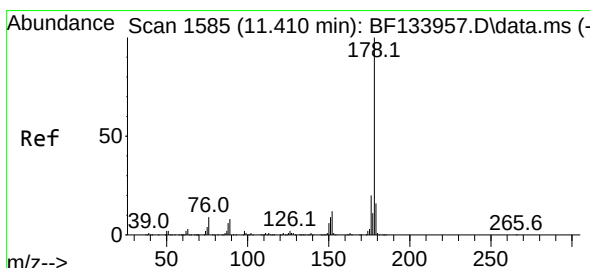
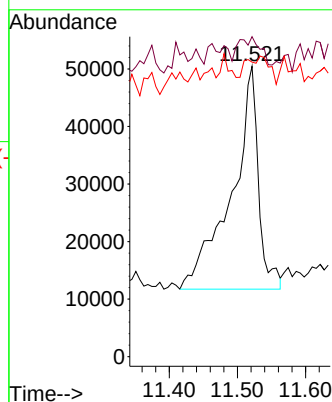
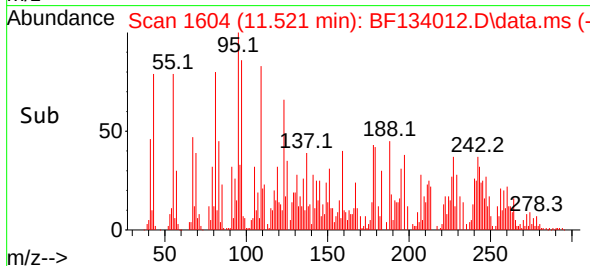
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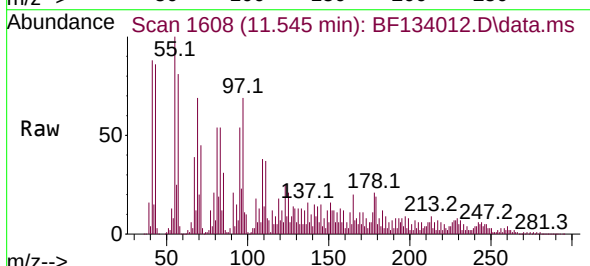
Tgt Ion:188 Resp: 106597
Ion Ratio Lower Upper
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94 110.2 6.4 9.6
80 101.4 7.3 10.9

Manual Integrations
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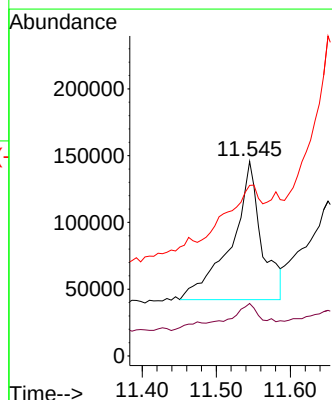
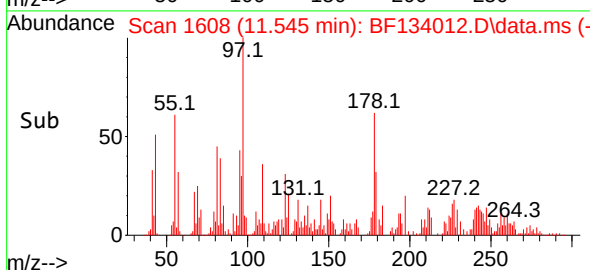
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023

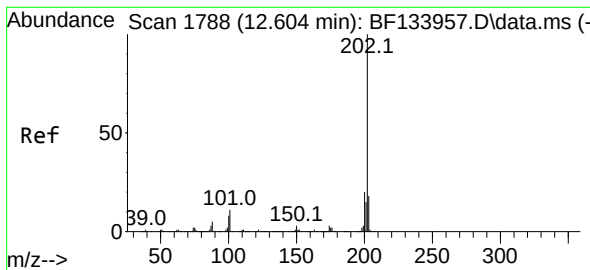


#71
Phenanthrene
Concen: 54.574 ng
RT: 11.545 min Scan# 1608
Delta R.T. 0.135 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17



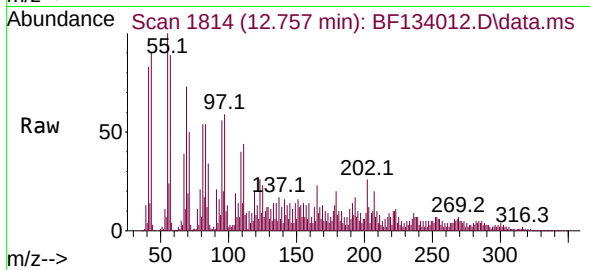
Tgt Ion:178 Resp: 292859
Ion Ratio Lower Upper
178 100
176 27.0 16.0 24.0#
179 87.7 12.4 18.6#





#75
Fluoranthene
Concen: 22.541 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.153 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

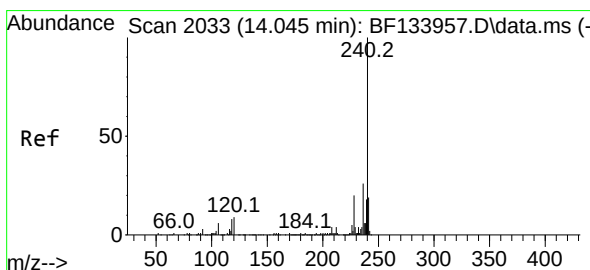
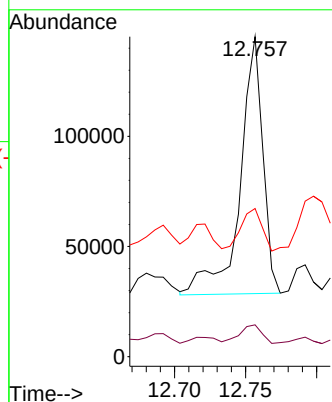
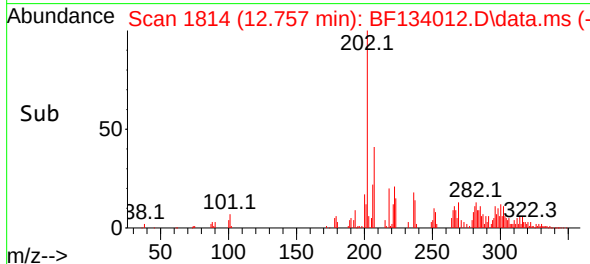
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



Tgt Ion:202 Resp: 130769
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.0
203 46.3 0.0 37.6

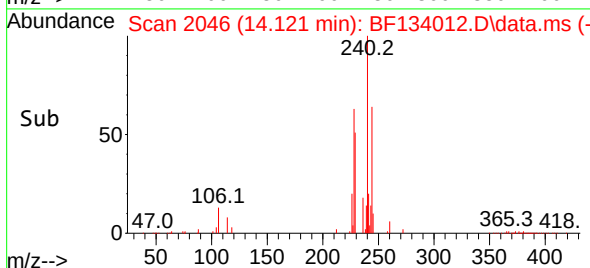
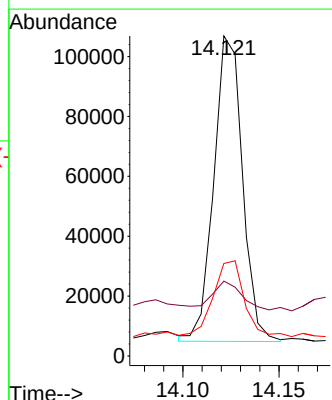
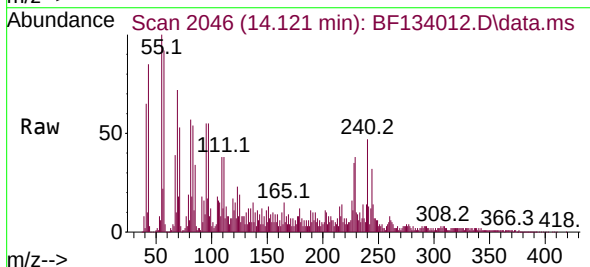
Manual Integrations
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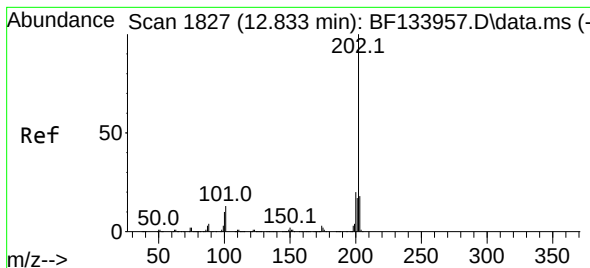
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#76
Chrysene-d12
Concen: 20.000 ng m
RT: 14.121 min Scan# 2046
Delta R.T. 0.076 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

Tgt Ion:240 Resp: 105820
Ion Ratio Lower Upper
240 100
120 23.4 7.4 11.0#
236 28.9 21.0 31.6





#78

Pyrene

Concen: 16.542 ng m

RT: 12.980 min Scan# 1852

Delta R.T. 0.147 min

Lab File: BF134012.D

Acq: 28 Jun 2023 04:17

Instrument :

BNA_F

ClientSampleId :

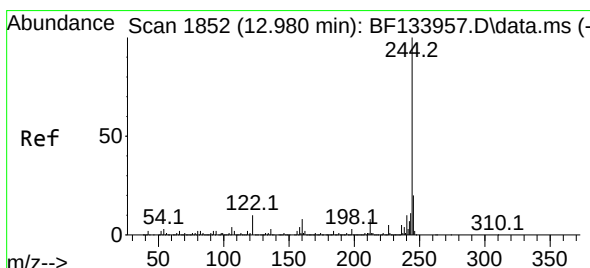
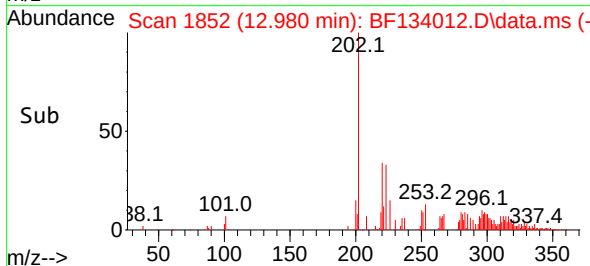
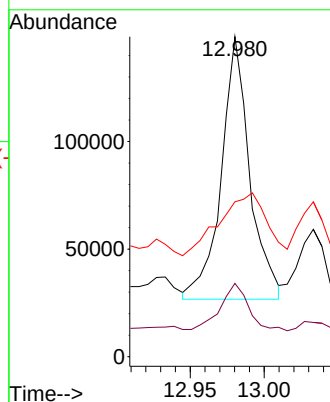
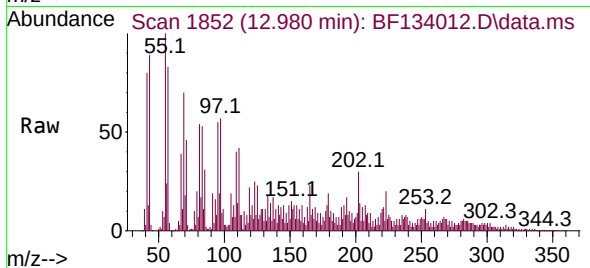
CONC-WC-1

Tgt Ion:202 Resp: 162908
 Ion Ratio Lower Upper
 202 100
 200 22.9 16.1 24.1
 203 48.4 14.3 21.5

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Reviewed By :Yogesh Patel 06/28/2023
 Supervised By :mohammad ahmed 06/29/2023



#79

Terphenyl-d14

Concen: 58.213 ng m

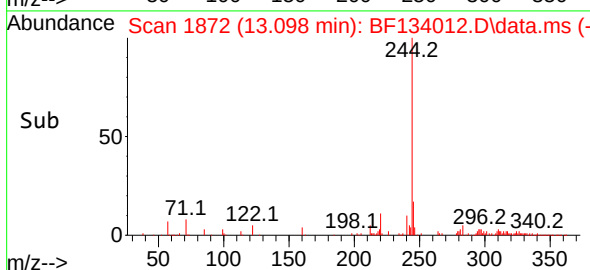
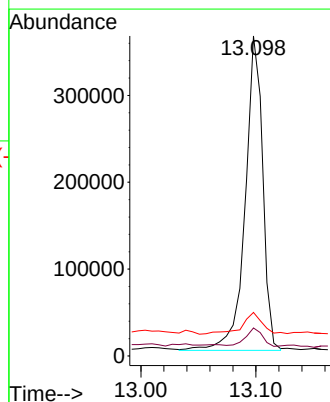
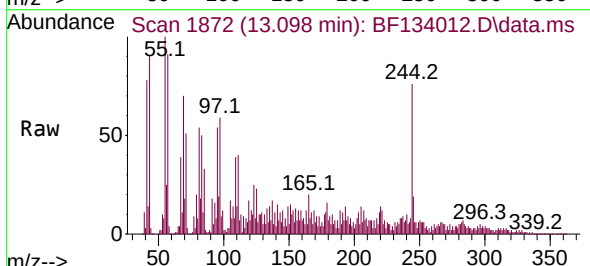
RT: 13.098 min Scan# 1872

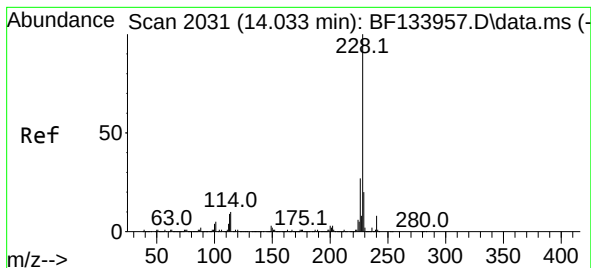
Delta R.T. 0.118 min

Lab File: BF134012.D

Acq: 28 Jun 2023 04:17

Tgt Ion:244 Resp: 382753
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.0 9.0
 122 13.6 8.3 12.5





#81

Benzo(a)anthracene

Concen: 22.010 ng m

RT: 14.115 min Scan# 2045

Delta R.T. 0.082 min

Lab File: BF134012.D

Acq: 28 Jun 2023 04:17

Instrument :

BNF_F

ClientSampleId :

CONC-WC-1

Tgt Ion:228 Resp: 16152

Ion Ratio Lower Upper

228 100

226 38.6 22.0 33.0

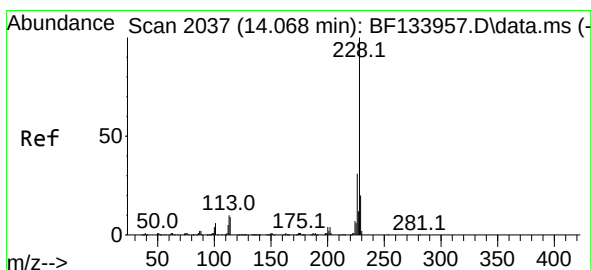
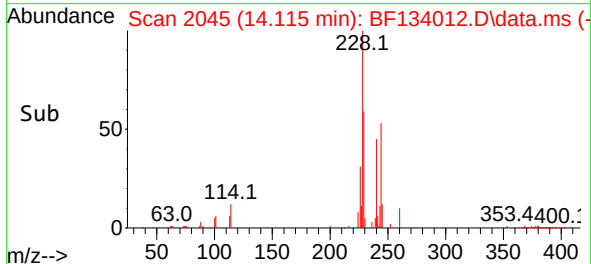
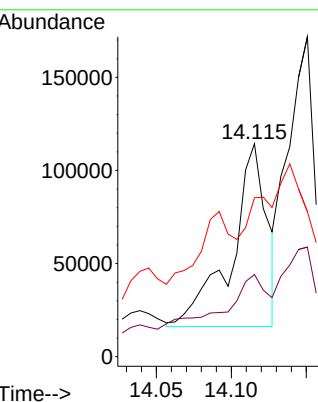
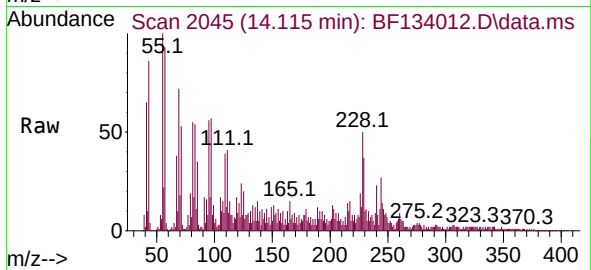
229 74.6 16.3 24.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#83

Chrysene

Concen: 29.694 ng m

RT: 14.151 min Scan# 2051

Delta R.T. 0.082 min

Lab File: BF134012.D

Acq: 28 Jun 2023 04:17

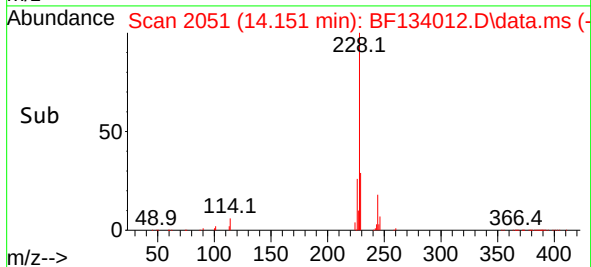
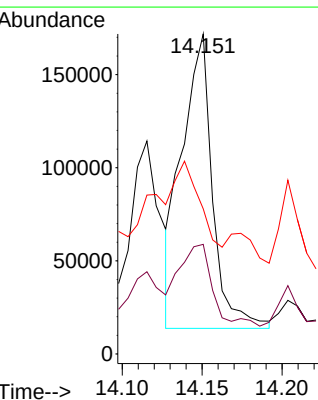
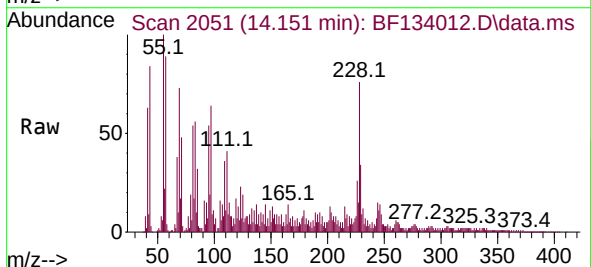
Tgt Ion:228 Resp: 211066

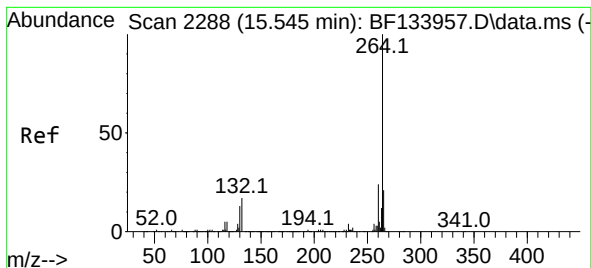
Ion Ratio Lower Upper

228 100

226 34.3 24.4 36.6

229 45.3 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng m
RT: 15.598 min Scan# 21
Delta R.T. 0.053 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

Instrument :

BNA_F

ClientSampleId :

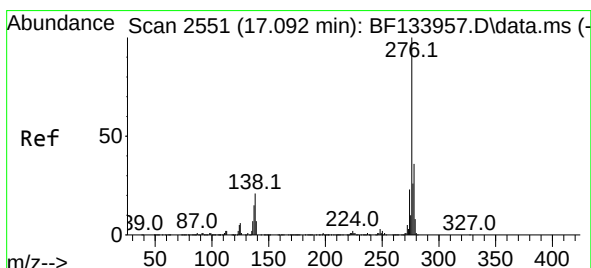
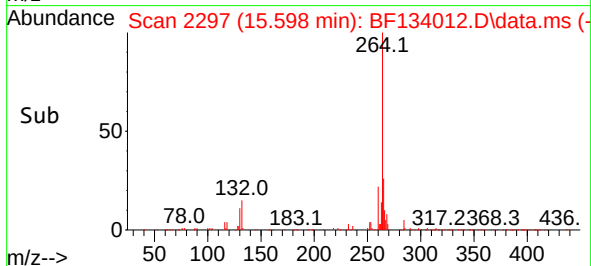
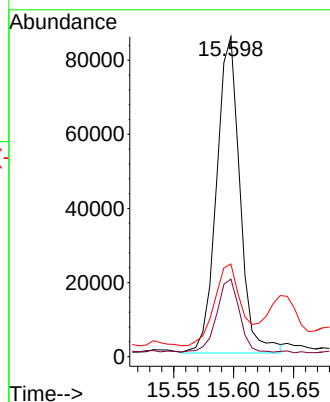
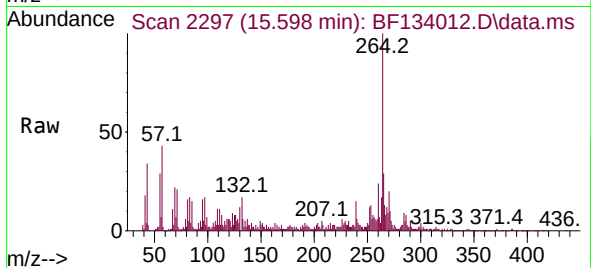
CONC-WC-1

Tgt Ion:264 Resp: 11624
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 29.0 16.6 25.0

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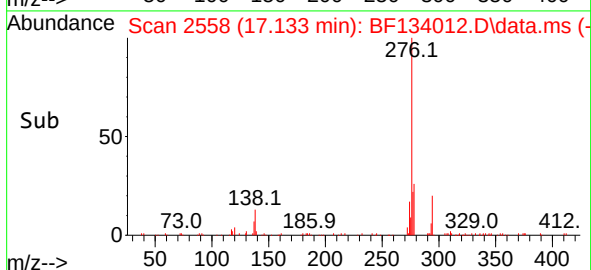
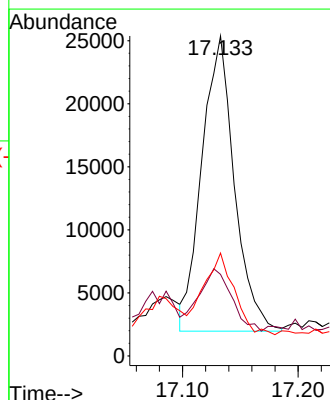
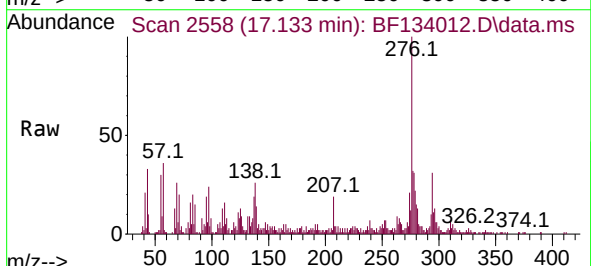
APPROVED

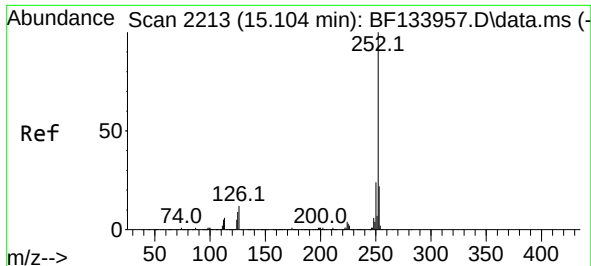
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.667 ng m
RT: 17.133 min Scan# 2558
Delta R.T. 0.041 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

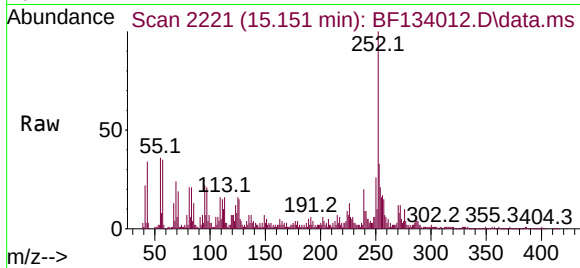
Tgt Ion:276 Resp: 45709
Ion Ratio Lower Upper
276 100
138 23.6 18.7 28.1
277 30.0 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 20.242 ng m
RT: 15.151 min Scan# 2213
Delta R.T. 0.047 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

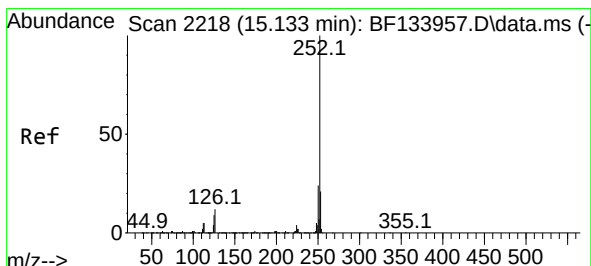
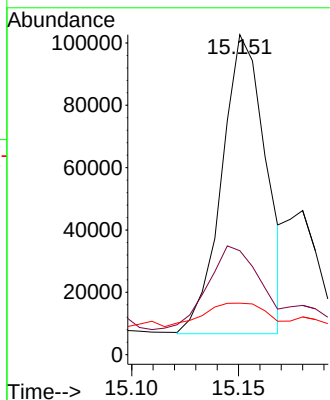
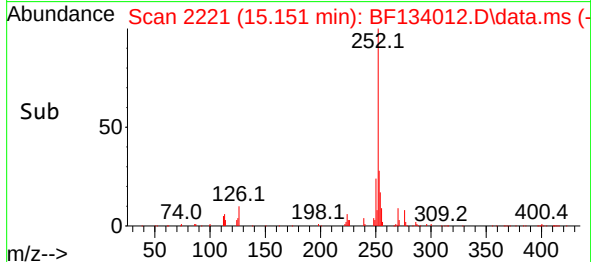
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



Tgt Ion:252 Resp: 138360
Ion Ratio Lower Upper
252 100
253 32.5 17.4 26.0#
125 16.1 7.1 10.7#

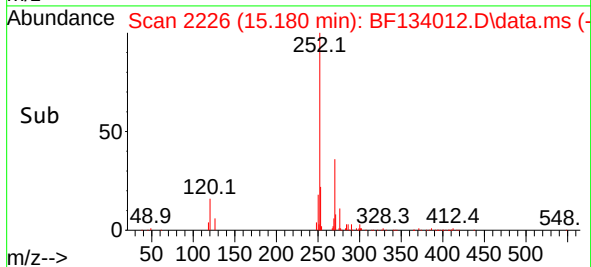
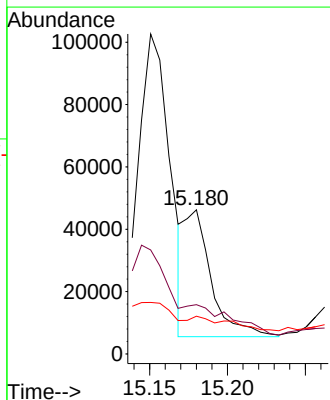
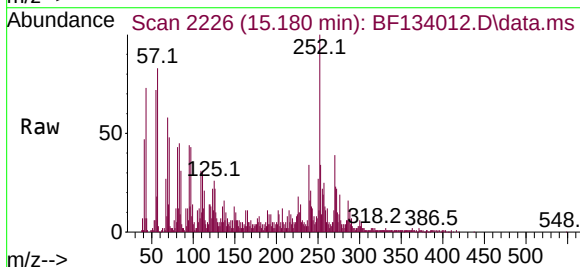
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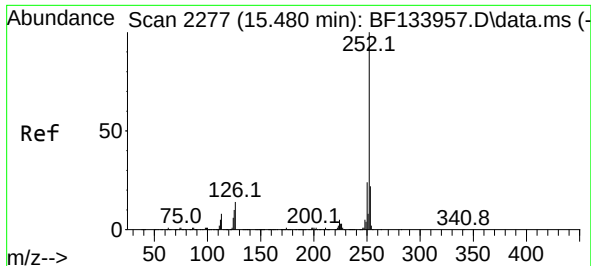
Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#89
Benzo(k)fluoranthene
Concen: 7.015 ng m
RT: 15.180 min Scan# 2226
Delta R.T. 0.047 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

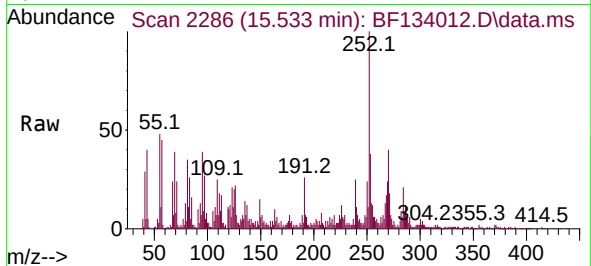
Tgt Ion:252 Resp: 48819
Ion Ratio Lower Upper
252 100
253 34.2 16.9 25.3#
125 26.2 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 11.132 ng m
RT: 15.533 min Scan# 21
Delta R.T. 0.053 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

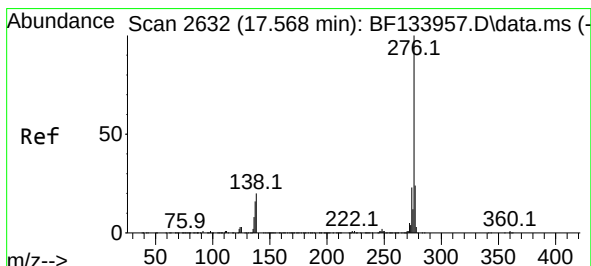
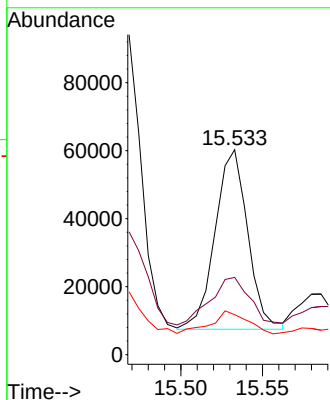
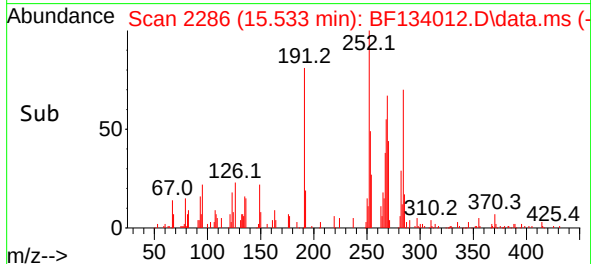
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



Tgt Ion:252 Resp: 73580
Ion Ratio Lower Upper
252 100
253 37.7 17.4 26.0#
125 19.5 8.4 12.6#

Manual Integrations
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Reviewed By :Yogesh Patel 06/28/2023
Supervised By :mohammad ahmed 06/29/2023



#92
Benzo(g,h,i)perylene
Concen: 7.174 ng m
RT: 17.603 min Scan# 2638
Delta R.T. 0.035 min
Lab File: BF134012.D
Acq: 28 Jun 2023 04:17

Tgt Ion:276 Resp: 48743
Ion Ratio Lower Upper
276 100
277 29.6 19.0 28.6#
138 26.7 16.2 24.2#

