

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134630.D
 Acq On : 04 Aug 2023 13:49
 Operator : CG\JU
 Sample : 03864-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 00:06:05 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	174462	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	584517	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	125769	20.000	ng	# 0.02
64) Phenanthrene-d10	11.398	188	129029	20.000	ng	# 0.08
76) Chrysene-d12	14.033	240	230009	20.000	ng	# 0.06
86) Perylene-d12	15.468	264	290992	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	861030	75.022	ng	0.00
7) Phenol-d6	6.428	99	1055238	71.926	ng	-0.01
23) Nitrobenzene-d5	7.357	82	573448	61.309	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	110396	86.106	ng	0.05
45) 2-Fluorobiphenyl	9.157	172	863776	114.193	ng	0.00
79) Terphenyl-d14	12.998	244	420441	32.224	ng	0.08
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.257	154	27892	2.852	ng	83
71) Phenanthrene	11.422	178	141470	20.642	ng	# 10
75) Fluoranthene	12.633	202	223353	30.852	ng	75
78) Pyrene	12.863	202	210616	10.582	ng	# 76
81) Benzo(a)anthracene	14.027	228	198984	12.099	ng	# 91
83) Chrysene	14.057	228	201725	12.589	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.933	276	136508	7.976	ng	# 93
88) Benzo(b)fluoranthene	15.045	252	339739m	19.143	ng	
89) Benzo(k)fluoranthene	15.068	252	84241m	4.765	ng	
90) Benzo(a)pyrene	15.404	252	207253	12.525	ng	# 90
91) Dibenzo(a,h)anthracene	16.951	278	34635	2.504	ng	# 85
92) Benzo(g,h,i)perylene	17.380	276	131367	9.311	ng	# 91

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

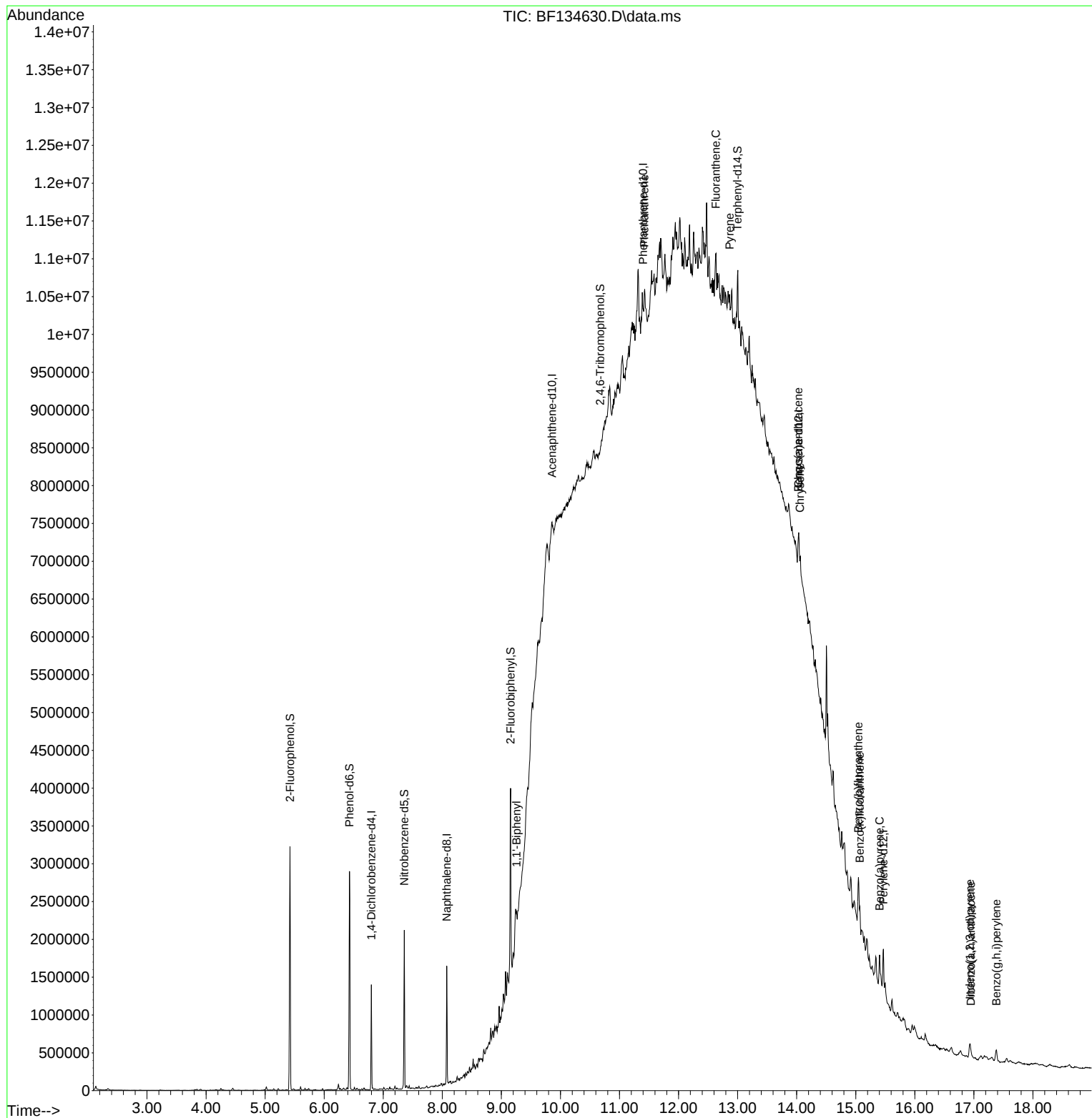
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134630.D
Acq On : 04 Aug 2023 13:49
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Sample : 03864-01
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ALS Vial : 11 Sample Multiplier: 1

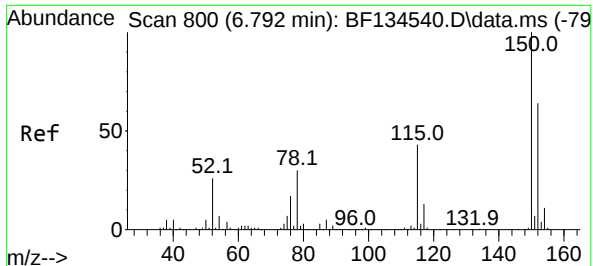
Instrument :
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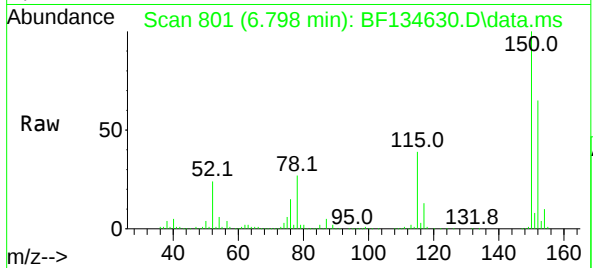
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

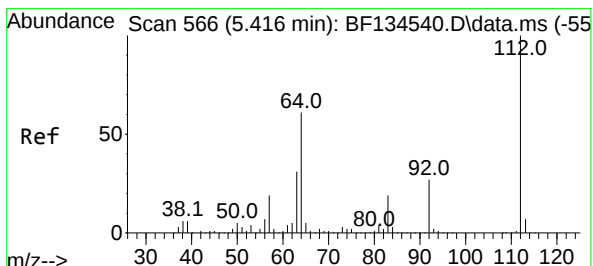
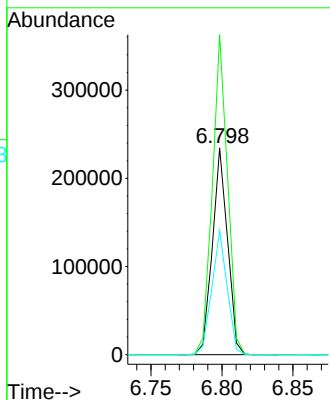
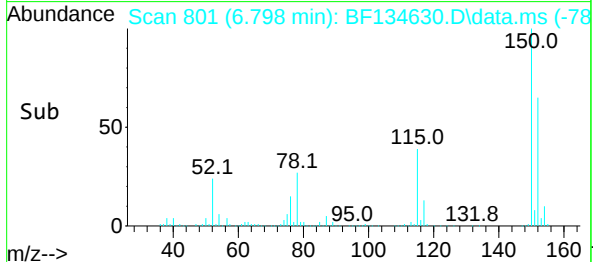
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 174462
Ion Ratio Lower Upper
152 100
150 154.6 128.3 192.5
115 59.9 52.4 78.6

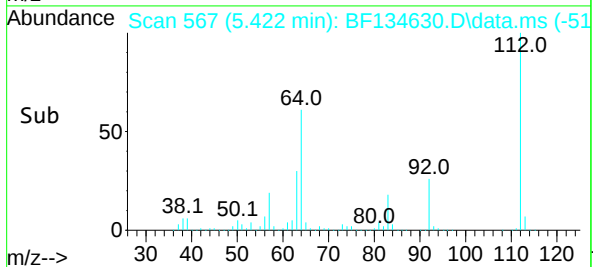
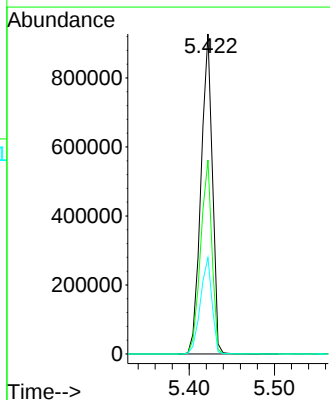
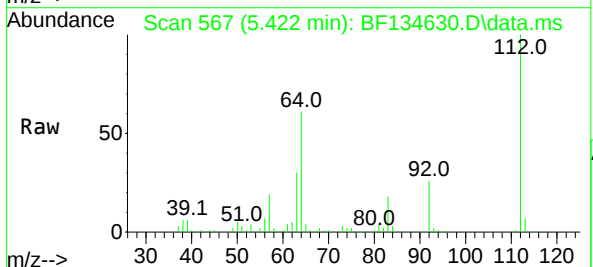
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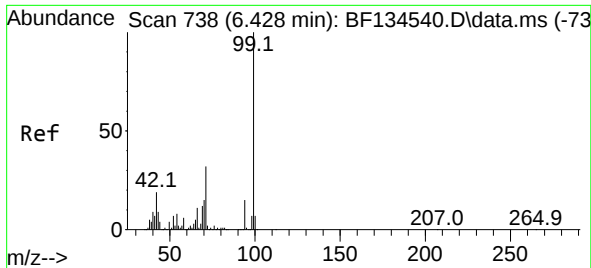
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#5
2-Fluorophenol
Concen: 75.022 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

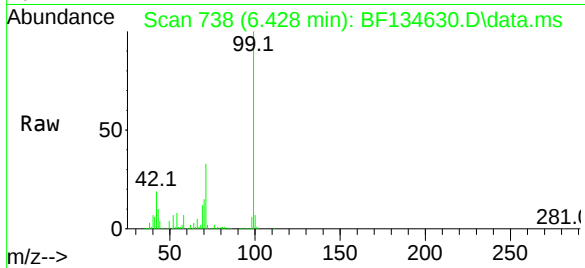
Tgt Ion:112 Resp: 861030
Ion Ratio Lower Upper
112 100
64 60.6 44.9 67.3
63 30.1 25.4 38.0





#7
Phenol-d6
Concen: 71.926 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

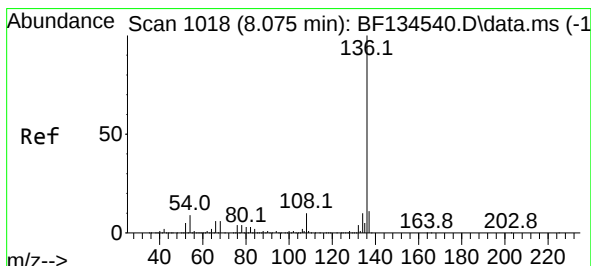
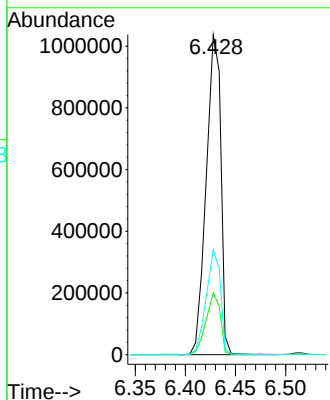
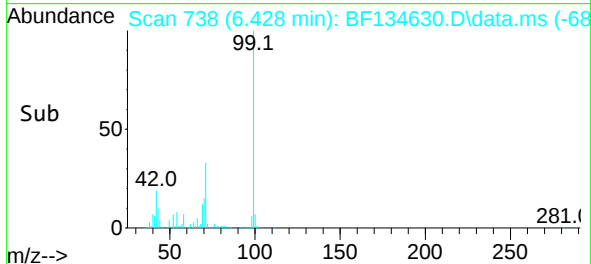
Instrument :
BNA_F
ClientSampleId :
WC-1



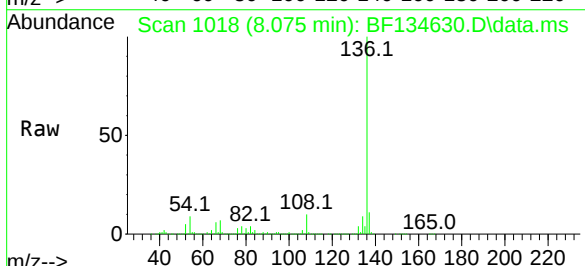
Tgt Ion: 99 Resp: 1055238
Ion Ratio Lower Upper
99 100
42 19.3 18.7 28.1
71 32.8 36.4 54.6

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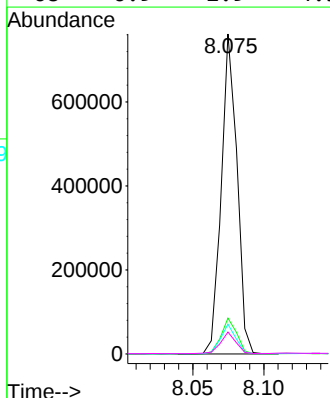
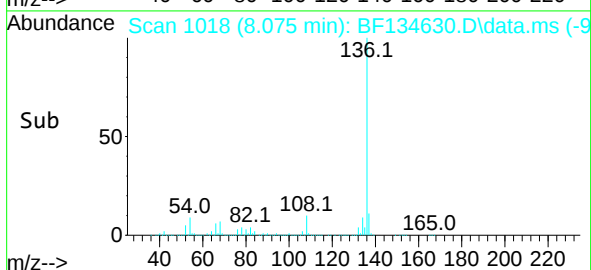
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49



Tgt Ion:136 Resp: 584517
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.3 5.2 7.8#
68 6.9 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 61.309 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134630.D

Acq: 04 Aug 2023 13:49

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 573448

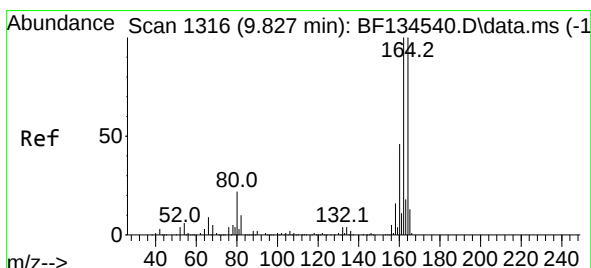
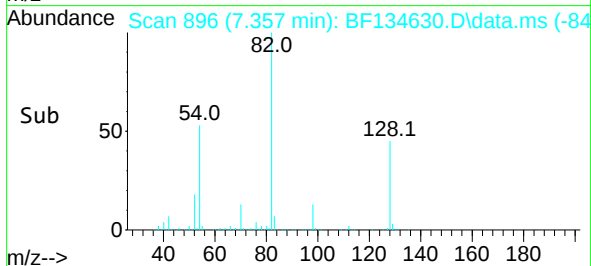
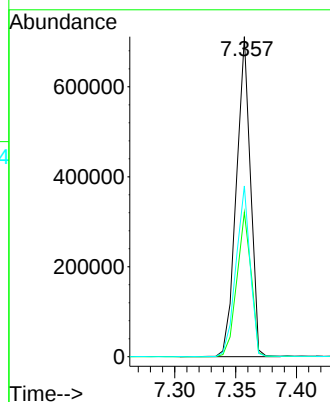
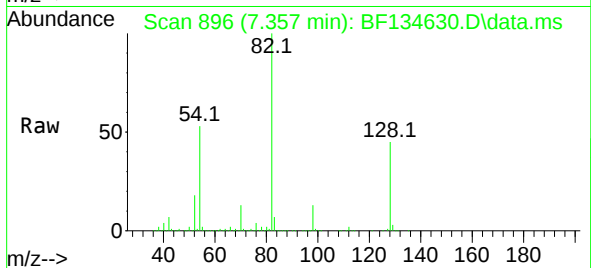
Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.3	51.5
54	53.3	43.8	65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1321

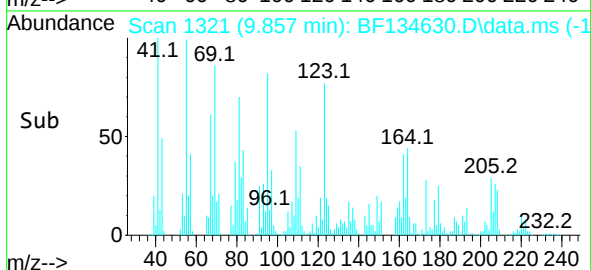
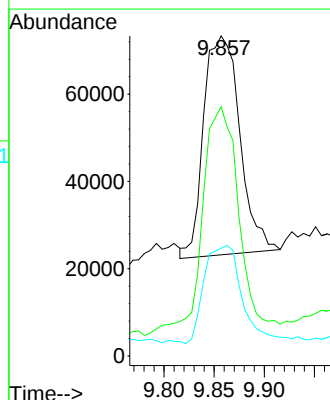
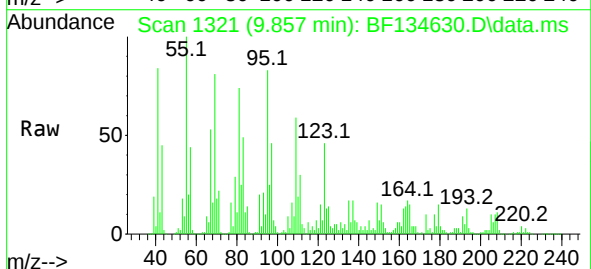
Delta R.T. 0.024 min

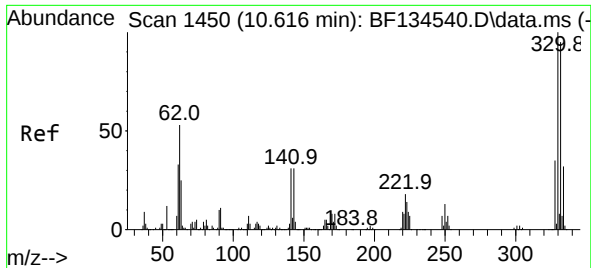
Lab File: BF134630.D

Acq: 04 Aug 2023 13:49

Tgt Ion:164 Resp: 125769

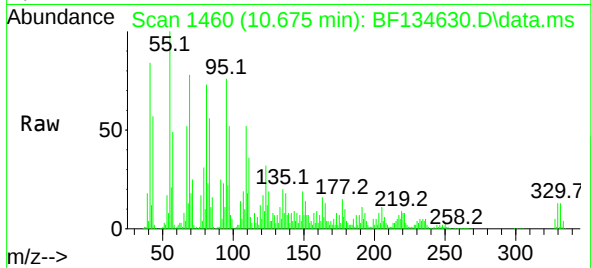
Ion	Ratio	Lower	Upper
164	100		
162	77.9	82.6	123.8#
160	33.7	37.2	55.8#





#42
2,4,6-Tribromophenol
Concen: 86.106 ng
RT: 10.675 min Scan# 1450
Delta R.T. 0.047 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

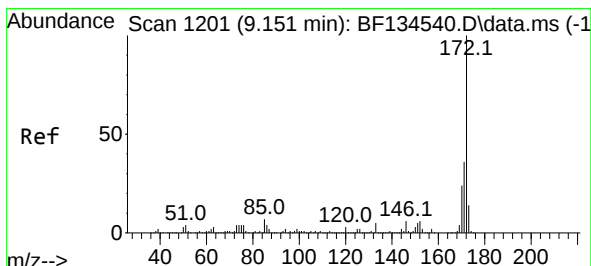
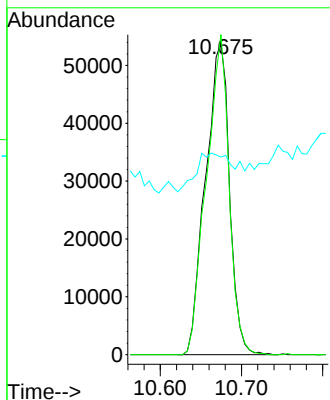
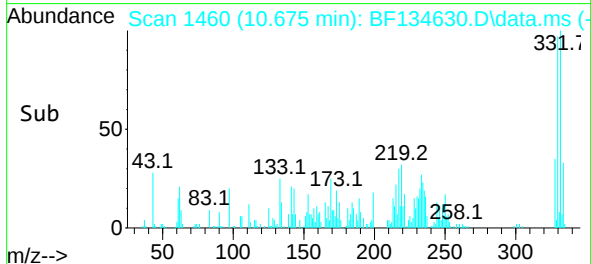
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 330 Resp: 110390
Ion Ratio Lower Upper
330 100
332 96.9 78.8 118.2
141 17.5 25.4 38.2

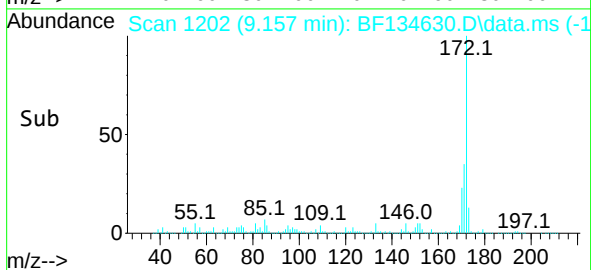
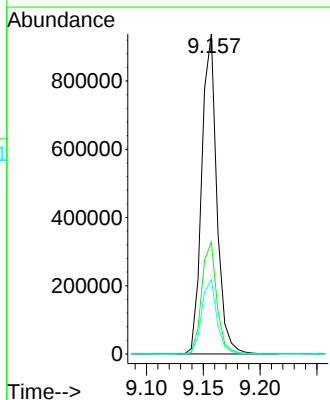
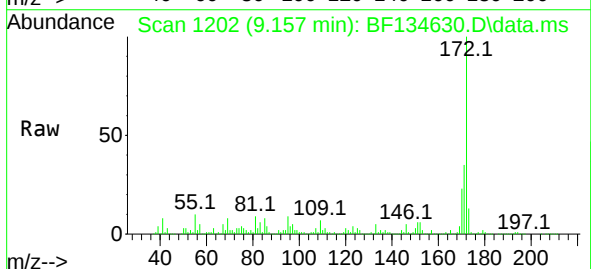
Manual Integrations
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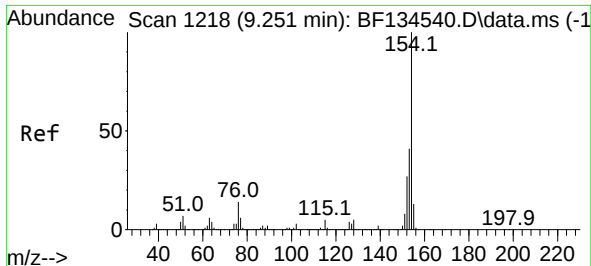
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#45
2-Fluorobiphenyl
Concen: 114.193 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

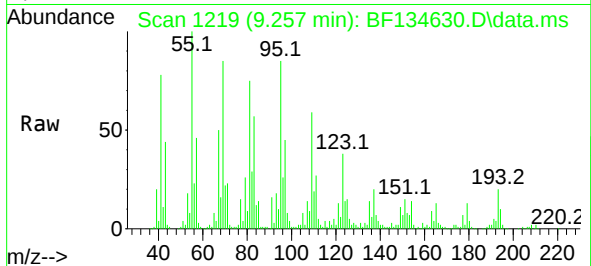
Tgt Ion: 172 Resp: 863776
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.2 18.7 28.1





#46
1,1'-Biphenyl
Concen: 2.852 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

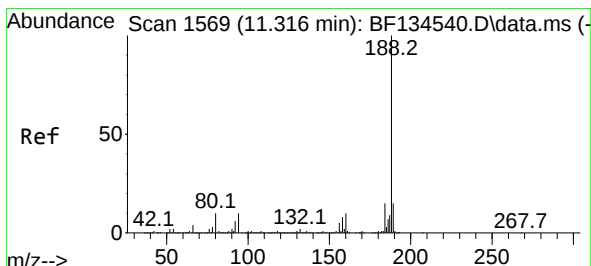
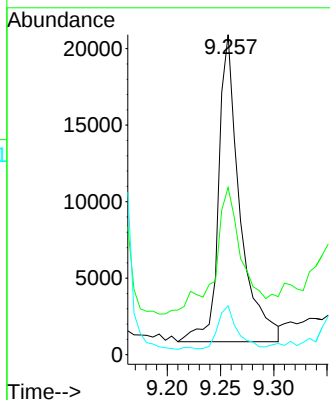
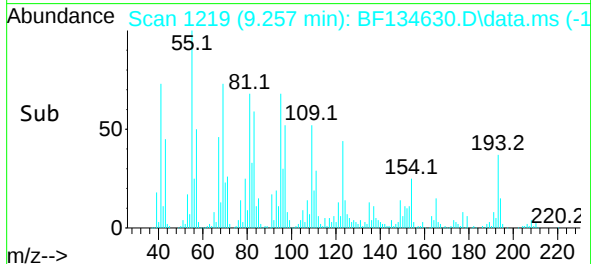
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:154 Resp: 27892
Ion Ratio Lower Upper
154 100
153 52.3 20.8 60.8
76 15.2 0.0 30.2

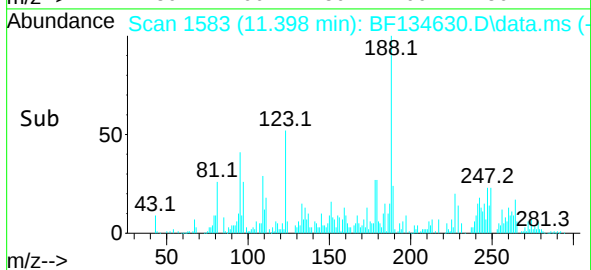
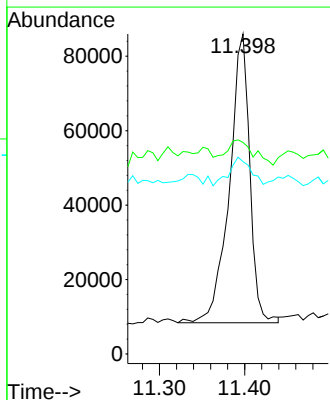
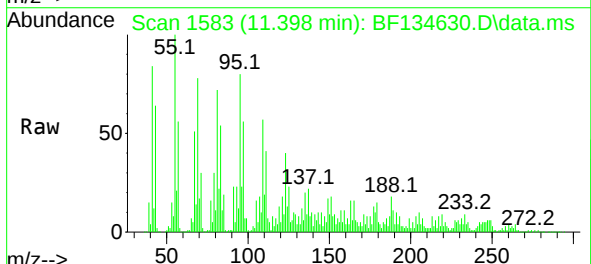
Manual Integrations
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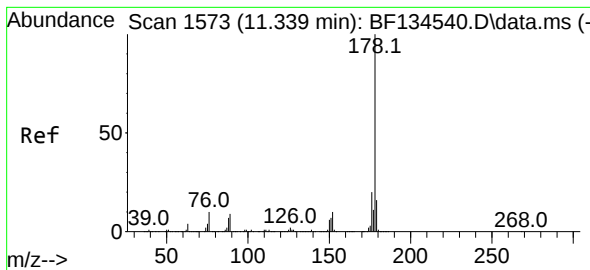
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.077 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

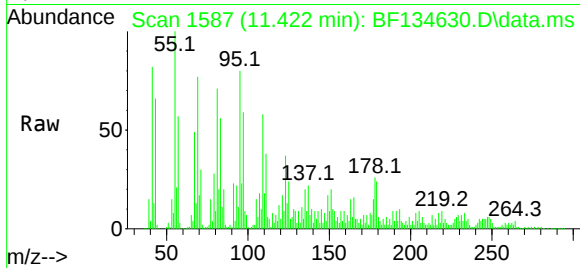
Tgt Ion:188 Resp: 129029
Ion Ratio Lower Upper
188 100
94 66.1 5.1 7.7#
80 60.1 6.6 9.8#





#71
Phenanthrene
Concen: 20.642 ng
RT: 11.422 min Scan# 11470
Delta R.T. 0.071 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

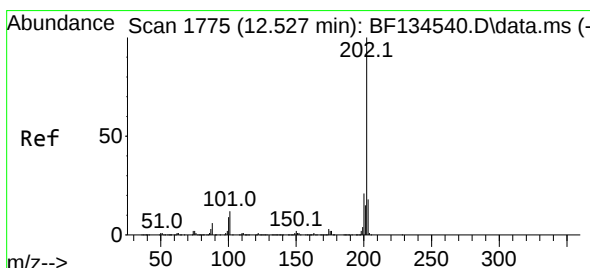
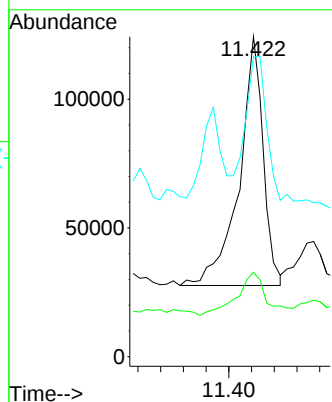
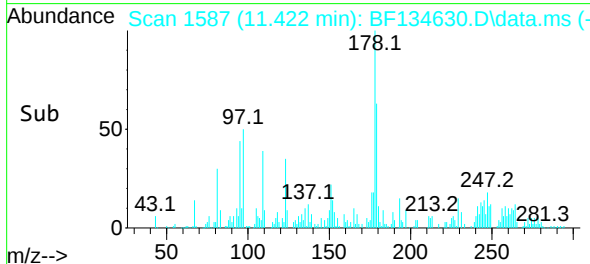
Instrument :
BNA_F
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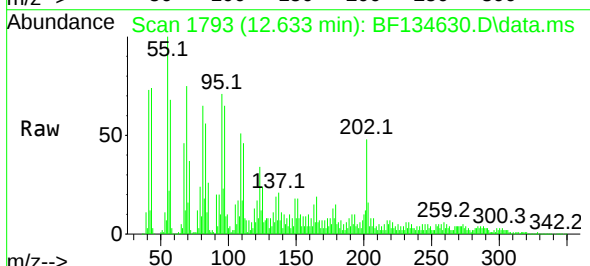
Tgt Ion:178 Resp: 141470
Ion Ratio Lower Upper
178 100
176 26.4 15.8 23.6
179 93.8 12.7 19.1

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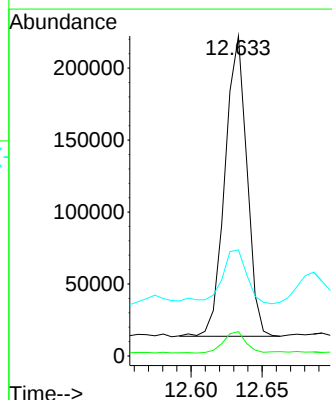
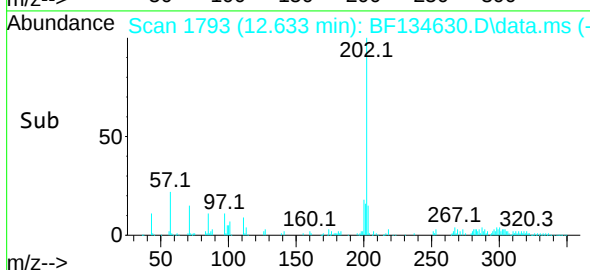
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

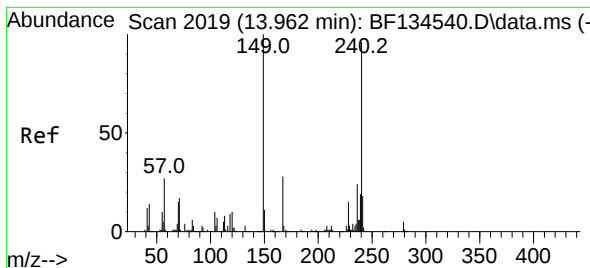


#75
Fluoranthene
Concen: 30.852 ng
RT: 12.633 min Scan# 1793
Delta R.T. 0.094 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49



Tgt Ion:202 Resp: 223353
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.5
203 33.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2019

Delta R.T. 0.059 min

Lab File: BF134630.D

Acq: 04 Aug 2023 13:49

Instrument :

BNA_F

ClientSampleId :

WC-1

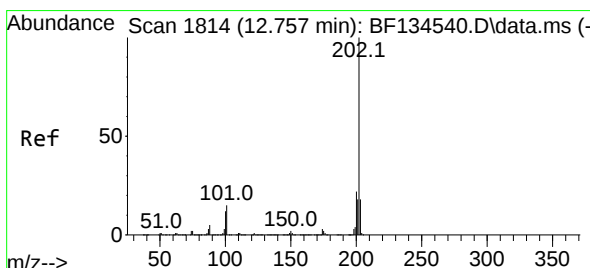
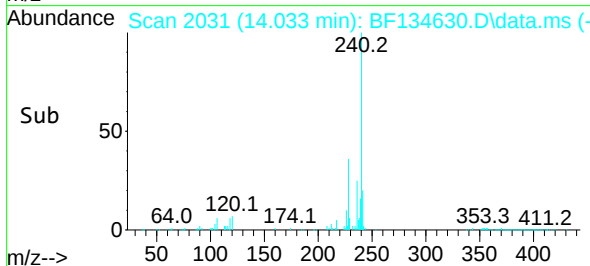
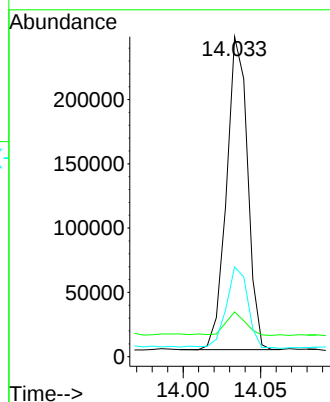
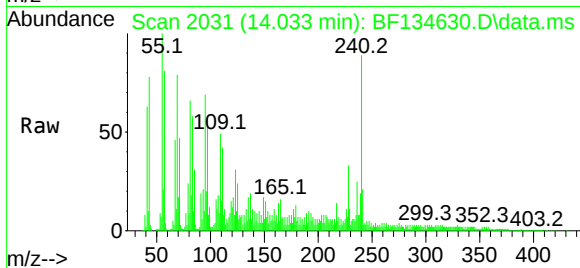
Tgt Ion:240 Resp: 230009
 Ion Ratio Lower Upper
 240 100
 120 14.0 6.6 10.0#
 236 28.1 20.2 30.2#

Manual Integrations

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Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#78

Pyrene

Concen: 10.582 ng

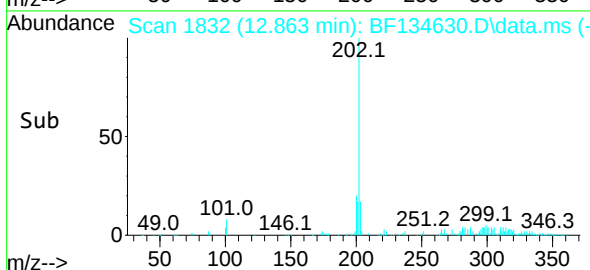
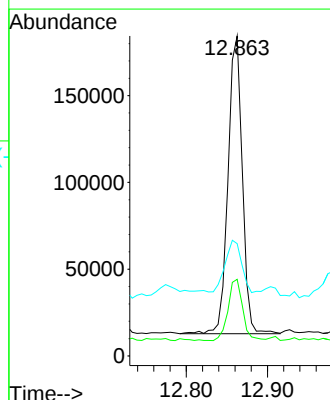
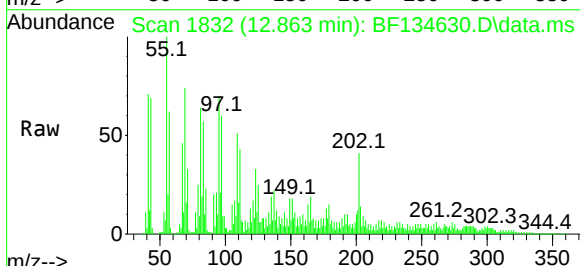
RT: 12.863 min Scan# 1832

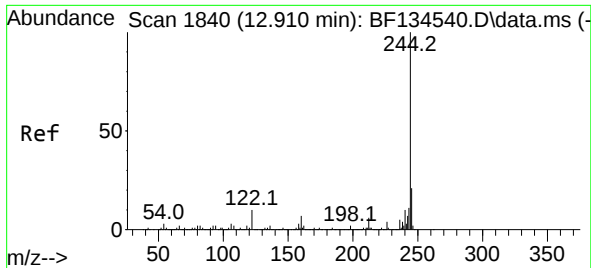
Delta R.T. 0.094 min

Lab File: BF134630.D

Acq: 04 Aug 2023 13:49

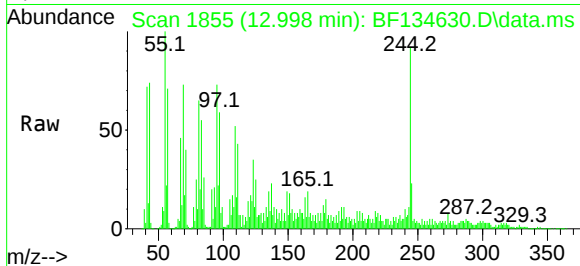
Tgt Ion:202 Resp: 210616
 Ion Ratio Lower Upper
 202 100
 200 24.0 15.8 23.8#
 203 35.1 13.5 20.3#





#79
 Terphenyl-d14
 Concen: 32.224 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. 0.077 min
 Lab File: BF134630.D
 Acq: 04 Aug 2023 13:49

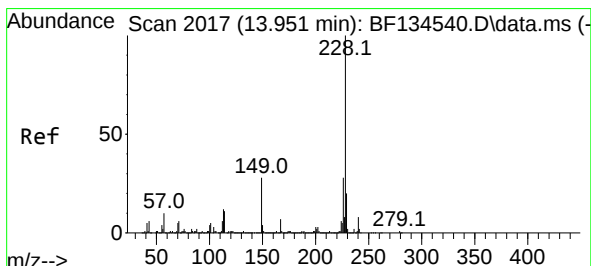
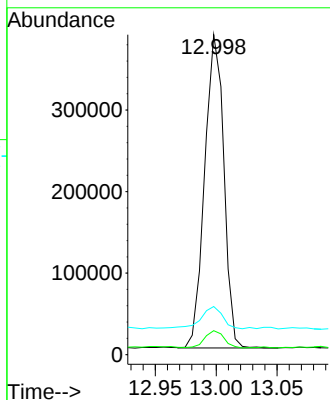
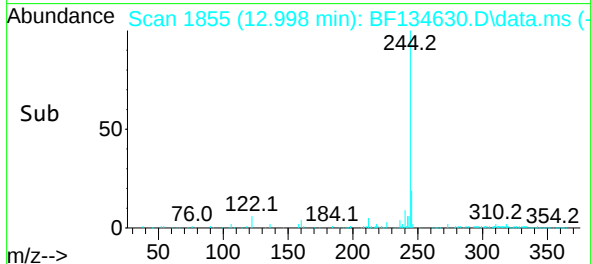
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



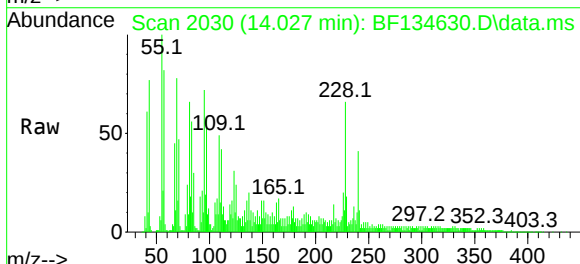
Tgt Ion:244 Resp: 42044
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.6 8.4
 122 15.1 8.0 12.0

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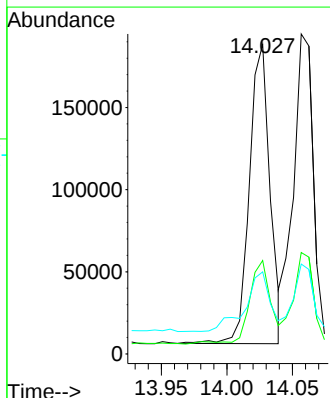
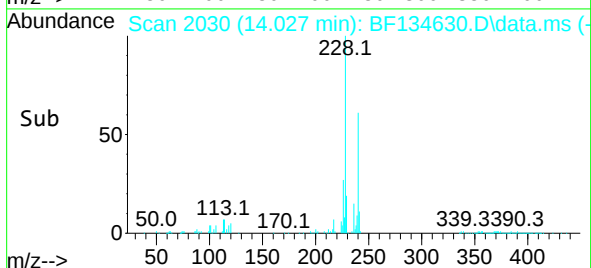
Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023

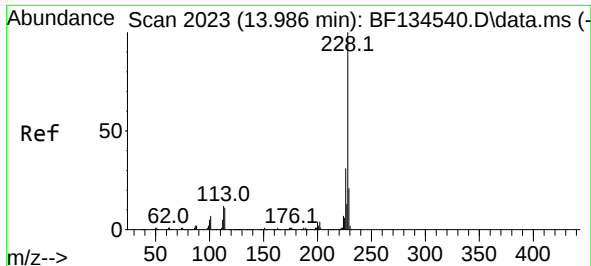


#81
 Benzo(a)anthracene
 Concen: 12.099 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.065 min
 Lab File: BF134630.D
 Acq: 04 Aug 2023 13:49



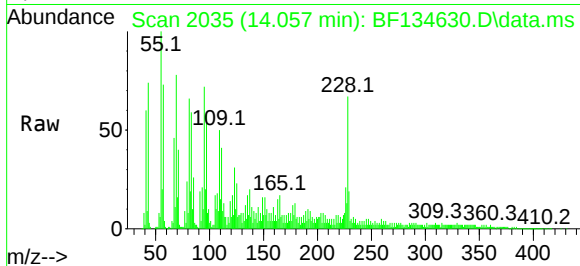
Tgt Ion:228 Resp: 198984
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.3 33.5
 229 26.5 15.8 23.6





#83
Chrysene
Concen: 12.589 ng
RT: 14.057 min Scan# 2023
Delta R.T. 0.059 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

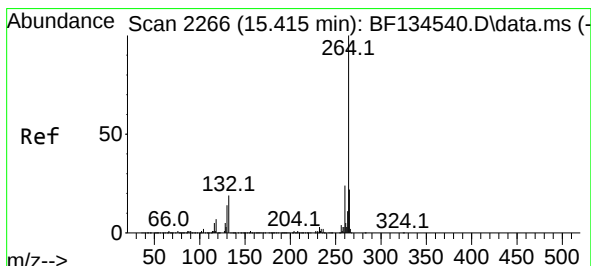
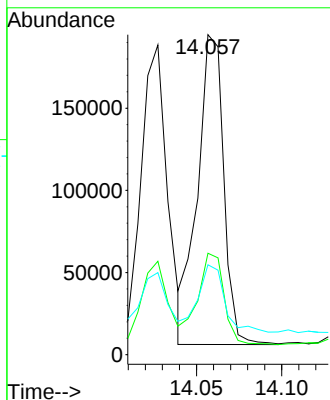
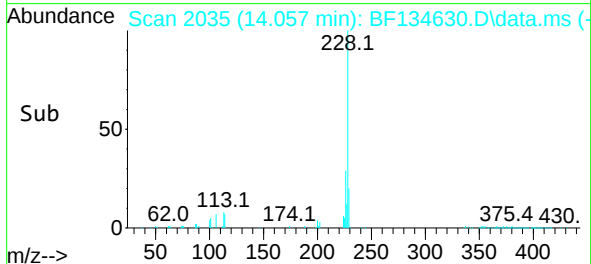
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:228 Resp: 201725
Ion Ratio Lower Upper
228 100
226 31.7 24.5 36.7
229 28.1 15.8 23.8

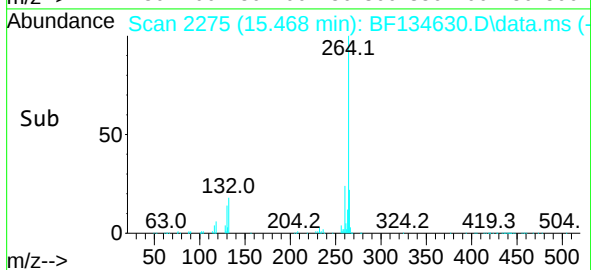
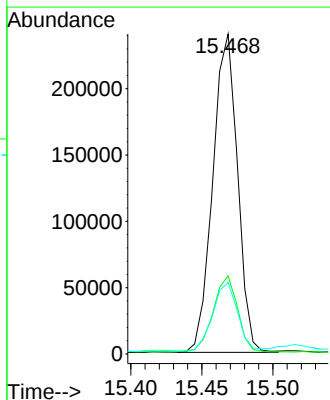
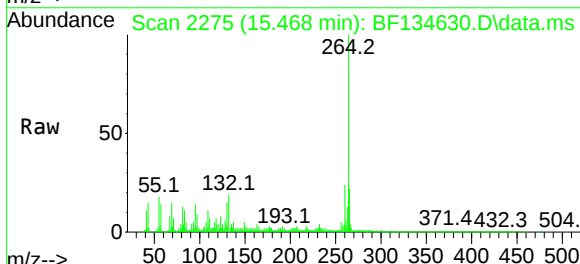
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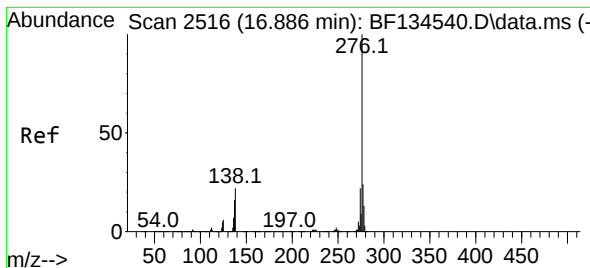
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.030 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

Tgt Ion:264 Resp: 290992
Ion Ratio Lower Upper
264 100
260 24.4 18.4 27.6
265 22.4 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.976 ng

RT: 16.933 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134630.D

Acq: 04 Aug 2023 13:49

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:276 Resp: 136508

Ion Ratio Lower Upper

276 100

138 25.2 14.2 21.4

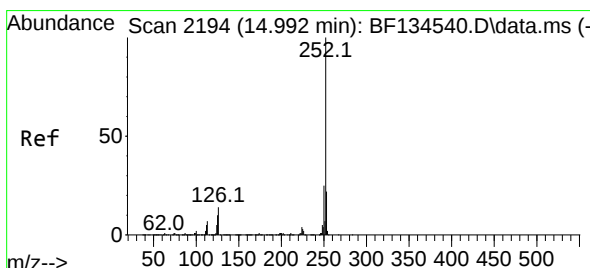
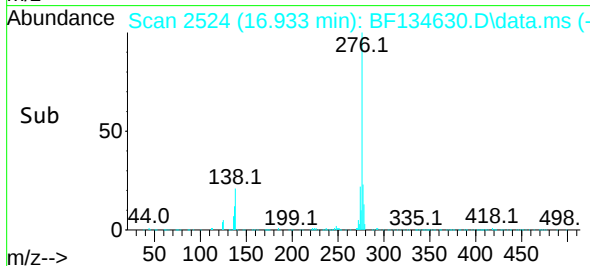
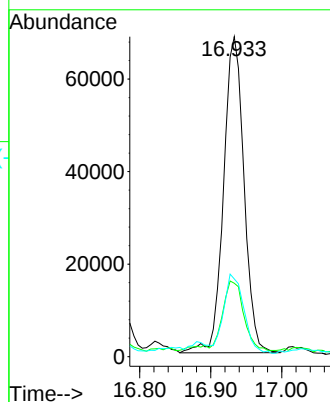
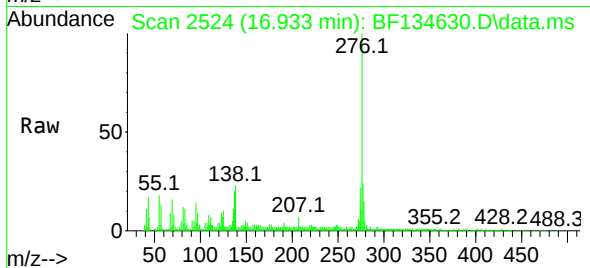
277 24.6 19.9 29.9

Manual Integrations

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Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#88

Benzo(b)fluoranthene

Concen: 19.143 ng m

RT: 15.045 min Scan# 2203

Delta R.T. 0.035 min

Lab File: BF134630.D

Acq: 04 Aug 2023 13:49

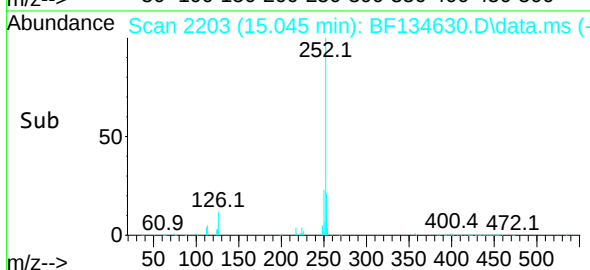
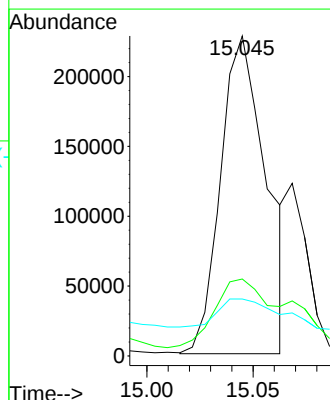
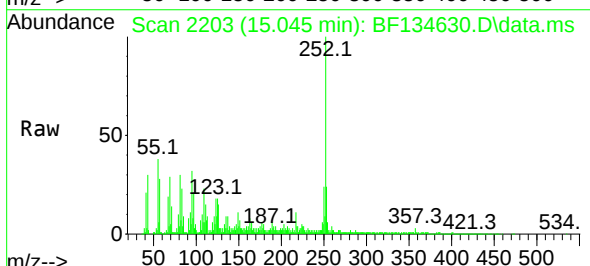
Tgt Ion:252 Resp: 339739

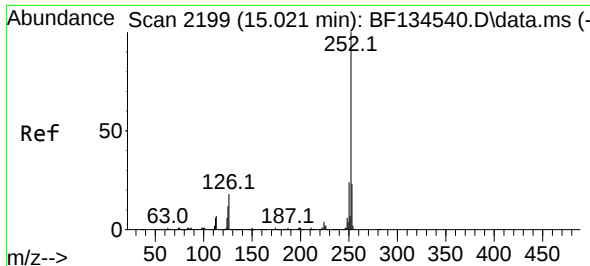
Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

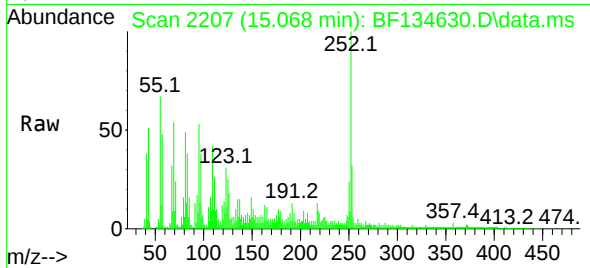
125 17.8 6.0 9.0





#89
Benzo(k)fluoranthene
Concen: 4.765 ng m
RT: 15.068 min Scan# 2199
Delta R.T. 0.029 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

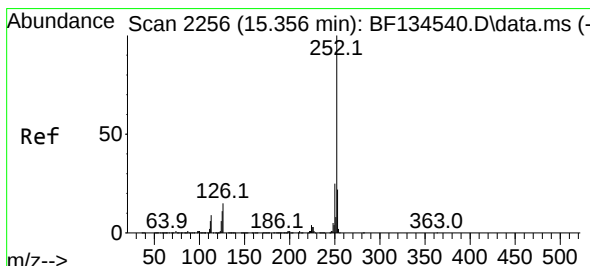
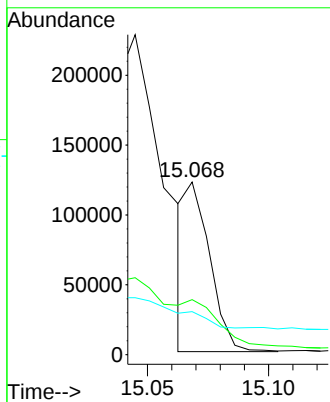
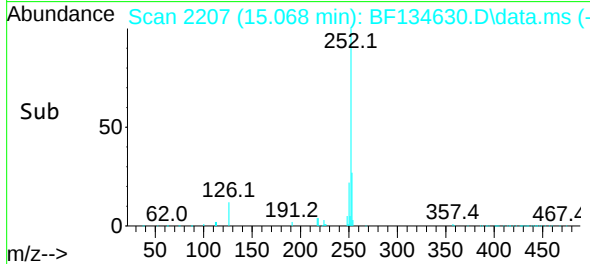
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 8424
Ion Ratio Lower Upper
252 100
253 31.9 17.9 26.9
125 24.9 6.3 9.5

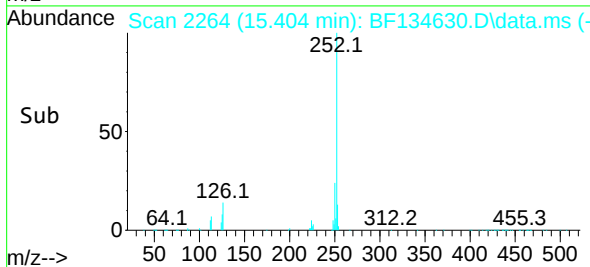
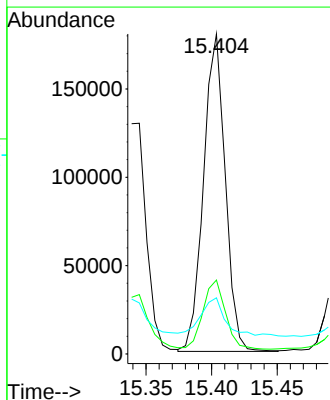
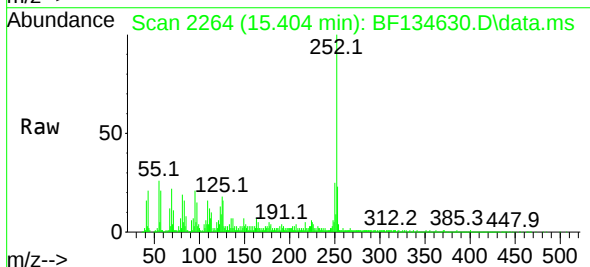
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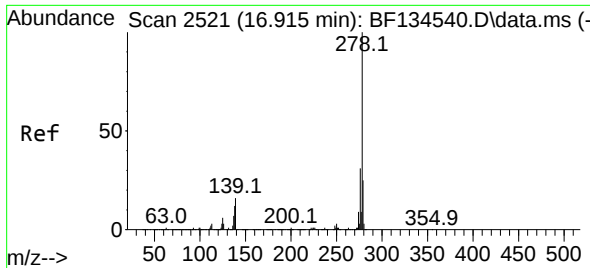
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#90
Benzo(a)pyrene
Concen: 12.525 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.024 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

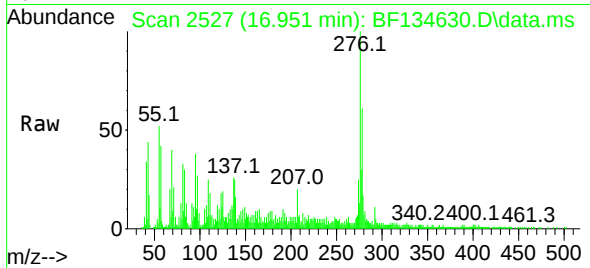
Tgt Ion:252 Resp: 207253
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 17.5 6.2 9.4





#91
Dibenzo(a,h)anthracene
Concen: 2.504 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49

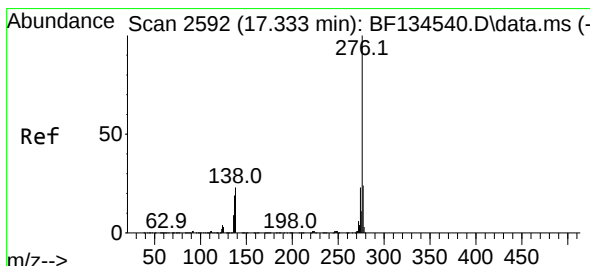
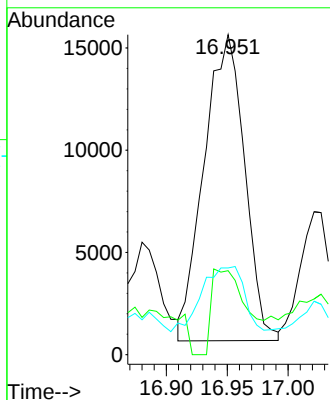
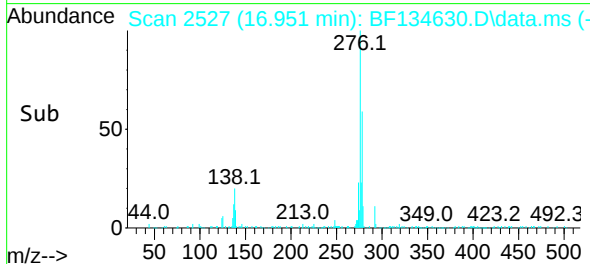
Instrument :
BNA_F
ClientSampleId :
WC-1



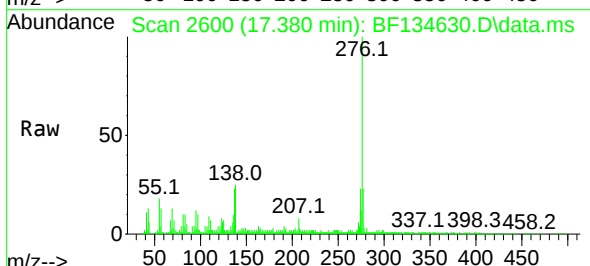
Tgt Ion:278 Resp: 3463
Ion Ratio Lower Upper
278 100
139 26.2 10.0 15.0
279 27.1 19.7 29.5

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



#92
Benzo(g,h,i)perylene
Concen: 9.311 ng
RT: 17.380 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF134630.D
Acq: 04 Aug 2023 13:49



Tgt Ion:276 Resp: 131367
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.6
138 24.8 12.2 18.2#

