

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134348.D
 Acq On : 18 Jul 2023 20:51
 Operator : CG\JU
 Sample : 03597-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-50-(0-2)

Manual Integrations
 APPROVED

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

Quant Time: Jul 19 01:41:50 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	63232	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	242440	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	118195	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	200735	20.000	ng	0.00
76) Chrysene-d12	14.027	240	140920	20.000	ng	-0.01
86) Perylene-d12	15.533	264	147149	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	362986	96.026	ng	0.00
7) Phenol-d6	6.481	99	433176	93.181	ng	0.00
23) Nitrobenzene-d5	7.398	82	299682	66.633	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	143885	97.093	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	574484	70.666	ng	-0.01
79) Terphenyl-d14	12.963	244	507403	57.949	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	70621	6.988	ng	97
75) Fluoranthene	12.592	202	88570	8.107	ng	95
78) Pyrene	12.822	202	76668	5.846	ng	99
81) Benzo(a)anthracene	14.022	228	31986	3.273	ng	94
83) Chrysene	14.057	228	33175	3.505	ng	96
88) Benzo(b)fluoranthene	15.092	252	41807m	4.832	ng	
90) Benzo(a)pyrene	15.468	252	28897	3.454	ng	96
92) Benzo(g,h,i)perylene	17.551	276	18237	2.120	ng	97

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

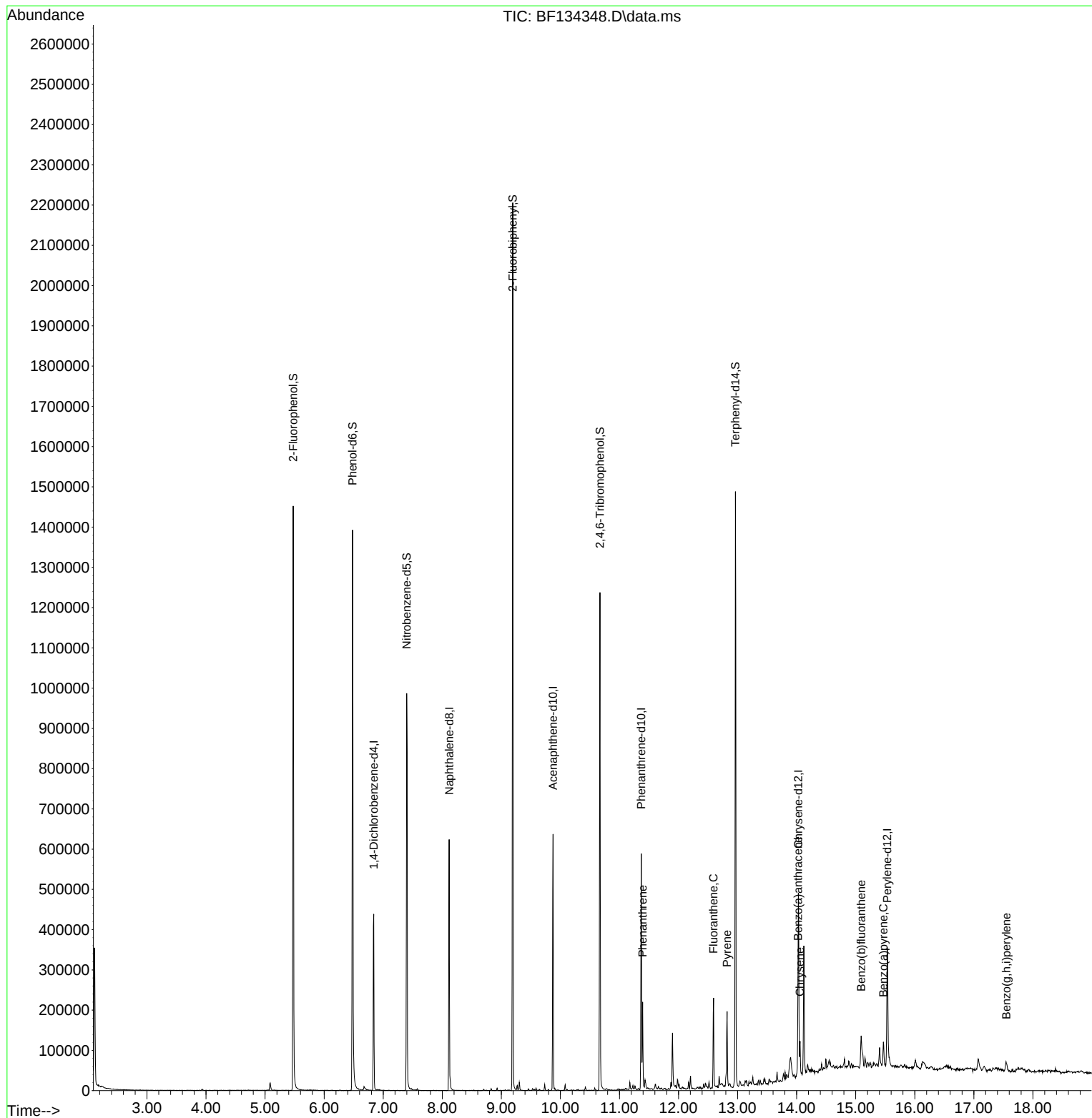
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
Data File : BF134348.D
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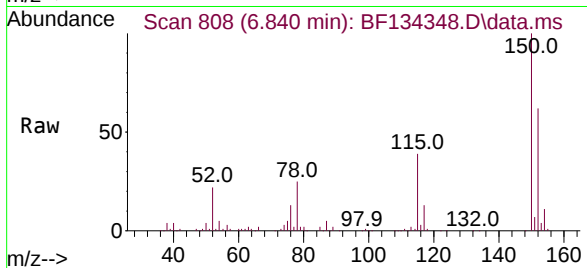
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

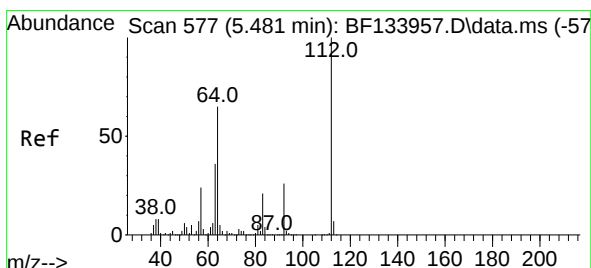
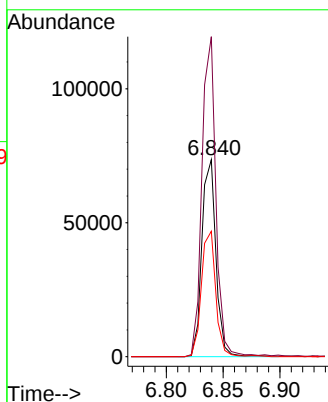
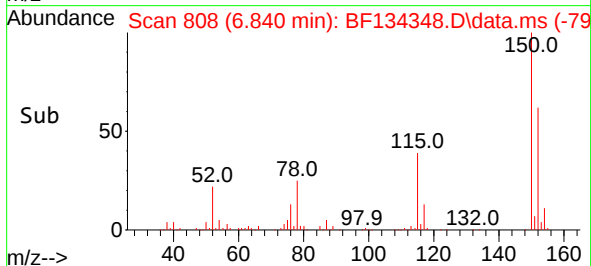
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)



Tgt Ion:152 Resp: 6323
Ion Ratio Lower Upper
152 100
150 162.4 124.5 186.7
115 63.7 50.2 75.2

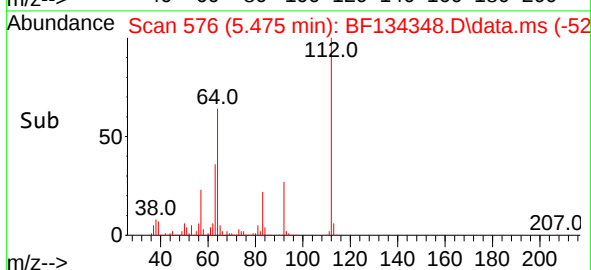
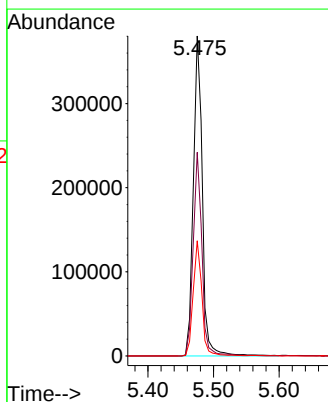
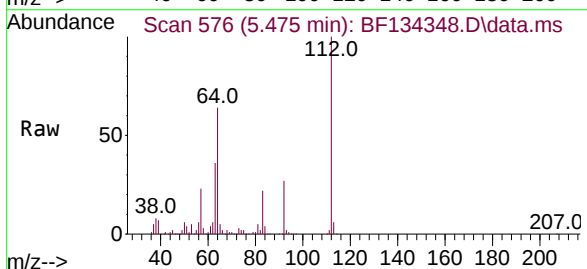
Manual Integrations
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#5
2-Fluorophenol
Concen: 96.026 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

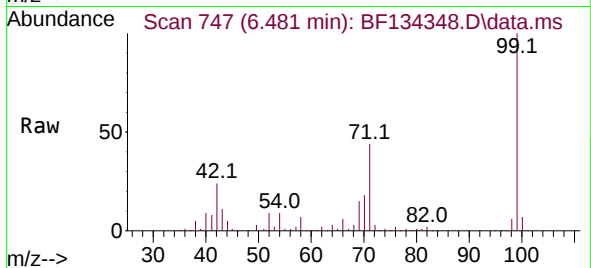
Tgt Ion:112 Resp: 362986
Ion Ratio Lower Upper
112 100
64 63.7 52.1 78.1
63 36.0 28.6 42.8





#7
Phenol-d6
Concen: 93.181 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

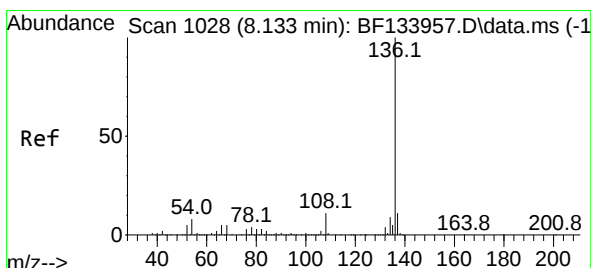
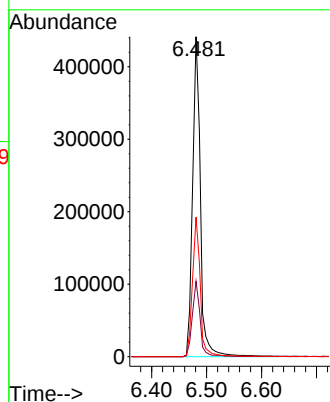
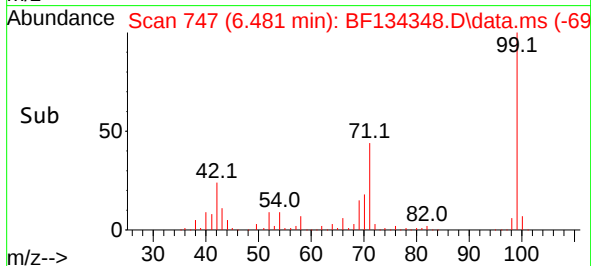
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)



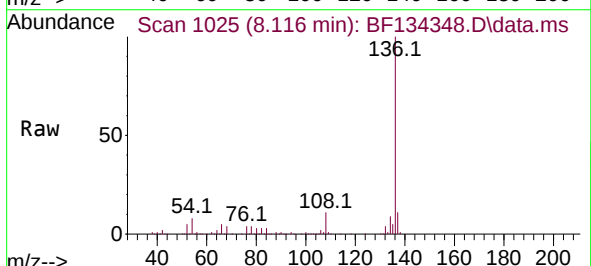
Tgt Ion: 99 Resp: 433170
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.6
71 43.6 31.9 47.9

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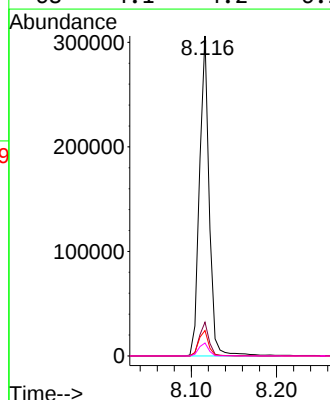
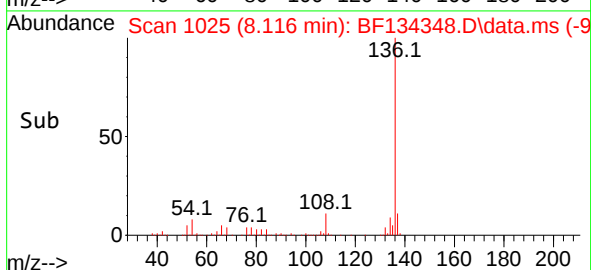
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51



Tgt Ion:136 Resp: 242440
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.9 6.5 9.7
68 4.1 4.2 6.2#





#23
Nitrobenzene-d5
Concen: 66.633 ng
RT: 7.398 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Instrument :

BNA_F

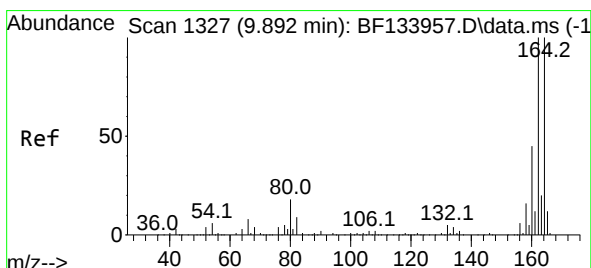
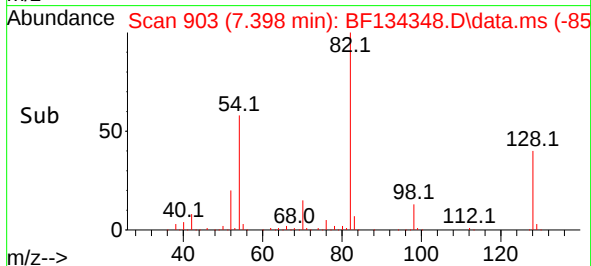
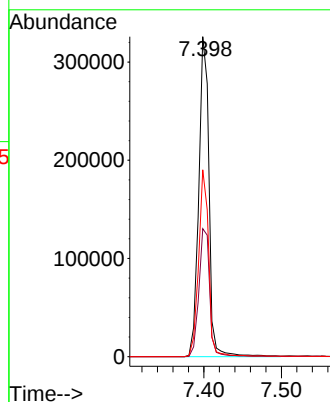
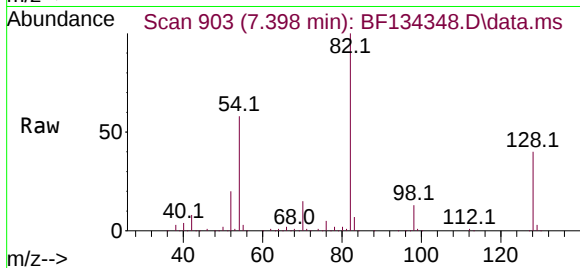
ClientSampleId :

RB-50-(0-2)

Tgt Ion: 82 Resp: 29968
Ion Ratio Lower Upper
82 100
128 40.0 32.5 48.7
54 58.4 48.2 72.2

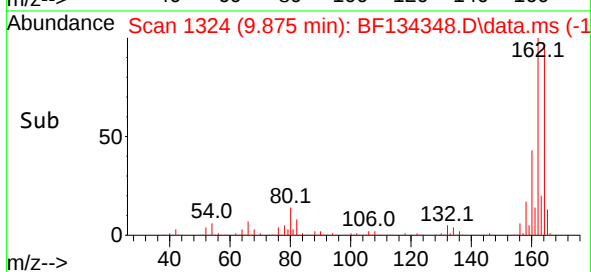
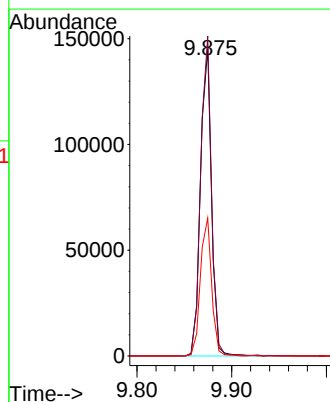
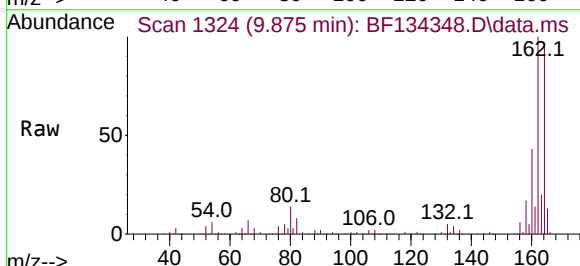
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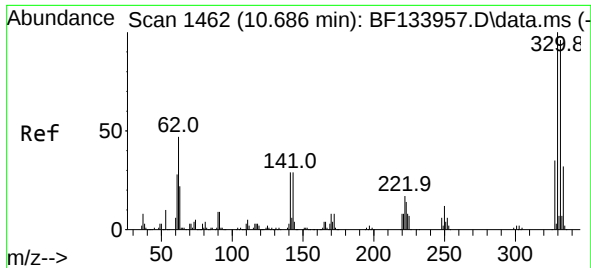
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

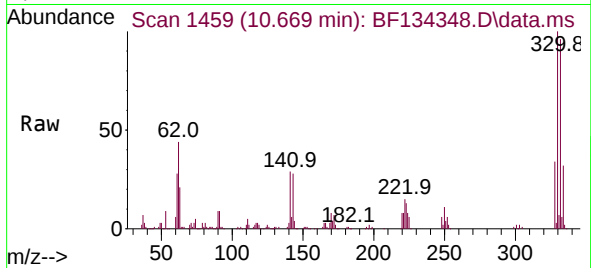
Tgt Ion:164 Resp: 118195
Ion Ratio Lower Upper
164 100
162 104.1 80.0 120.0
160 44.8 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 97.093 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

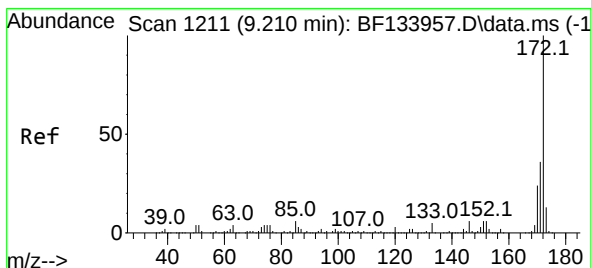
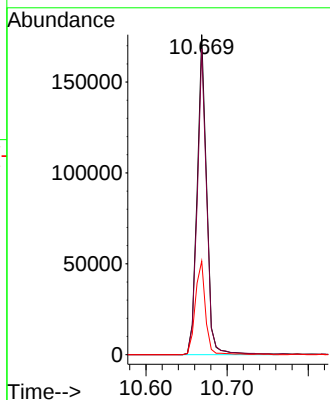
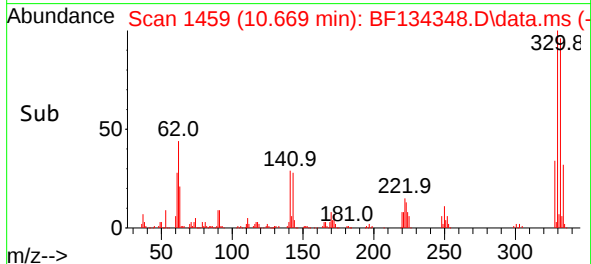
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)



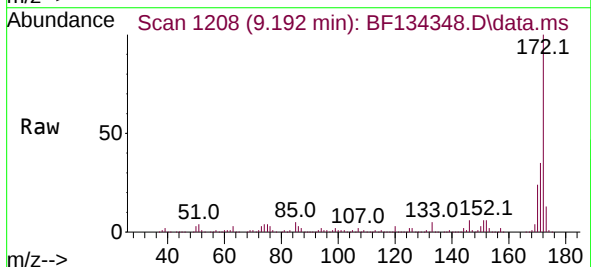
Tgt Ion:330 Resp: 143885
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.6
141 31.1 26.3 39.5

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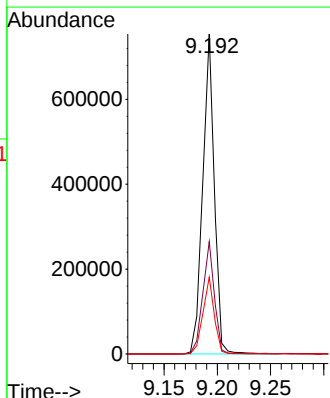
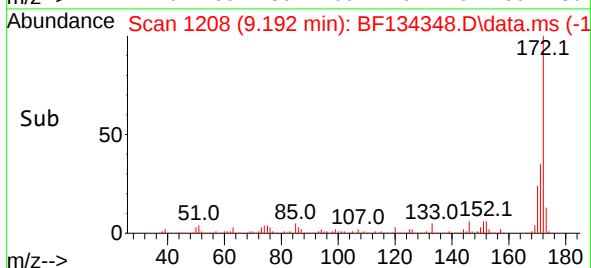
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

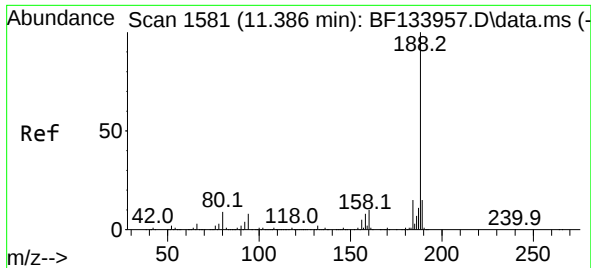


#45
2-Fluorobiphenyl
Concen: 70.666 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51



Tgt Ion:172 Resp: 574484
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 24.0 19.4 29.0





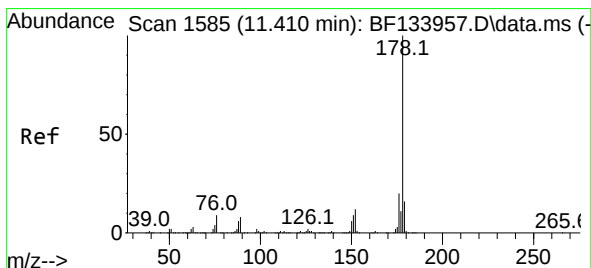
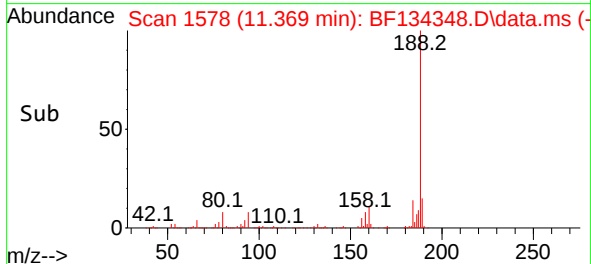
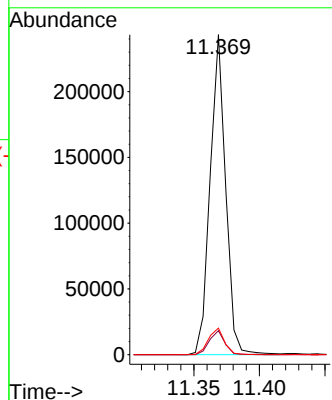
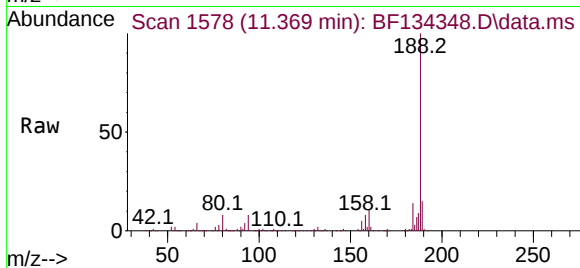
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)

Tgt Ion:188 Resp: 200735
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 8.3 7.3 10.9

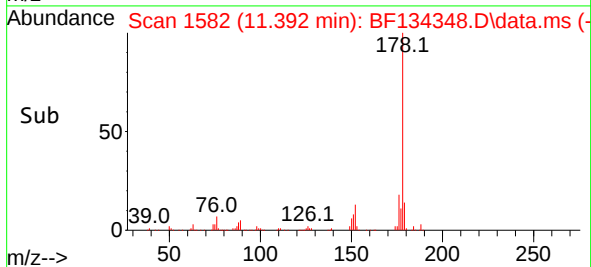
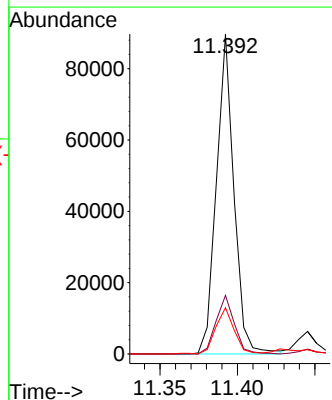
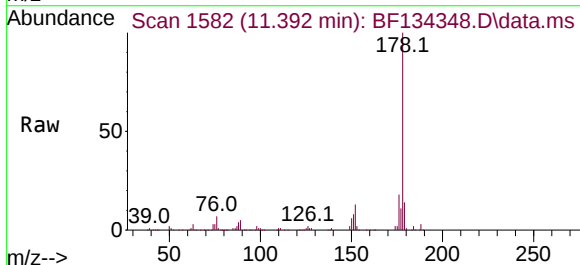
Manual Integrations
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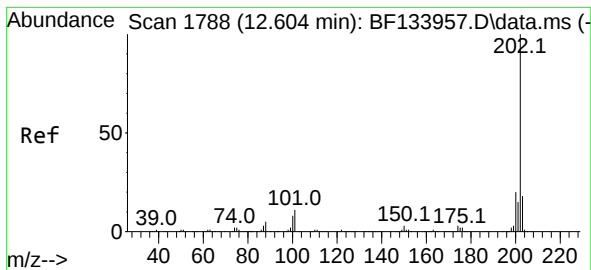
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 6.988 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

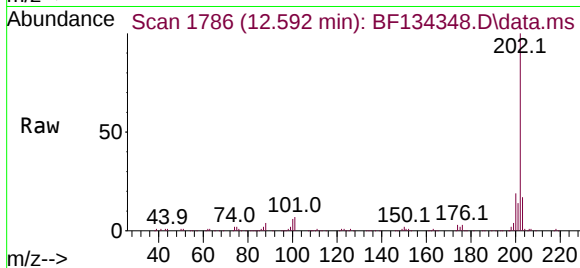
Tgt Ion:178 Resp: 70621
Ion Ratio Lower Upper
178 100
176 18.3 16.0 24.0
179 14.5 12.4 18.6





#75
Fluoranthene
Concen: 8.107 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

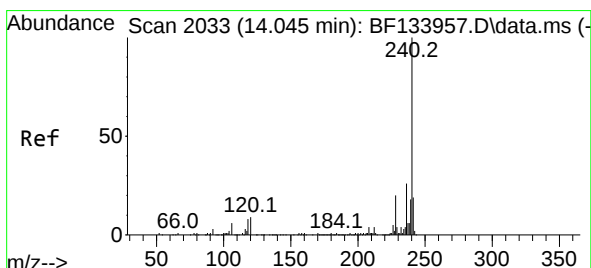
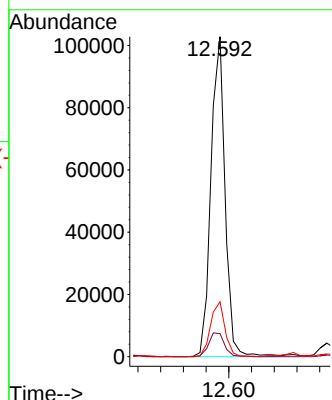
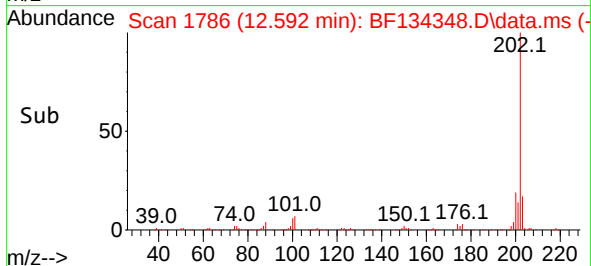
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)



Tgt Ion:202 Resp: 88570
Ion Ratio Lower Upper
202 100
101 7.2 0.0 31.0
203 17.1 0.0 37.6

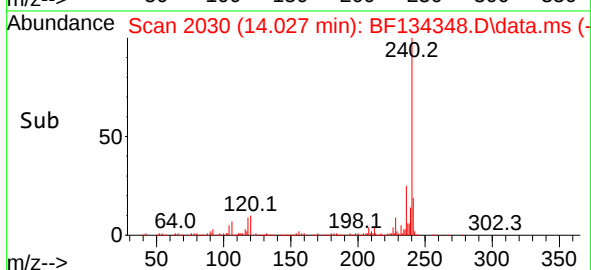
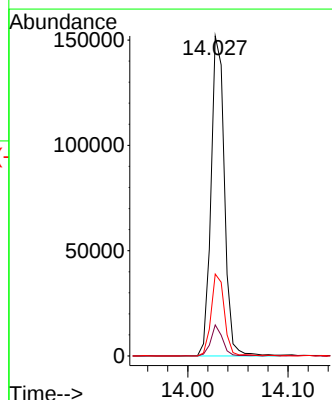
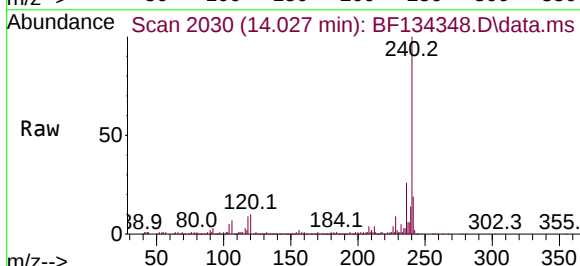
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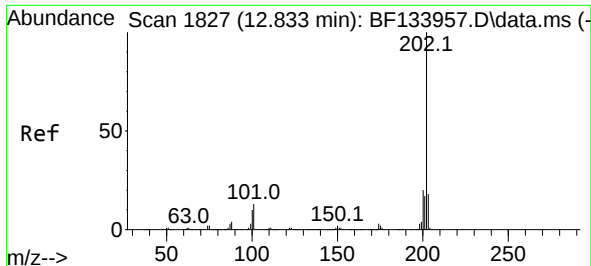
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

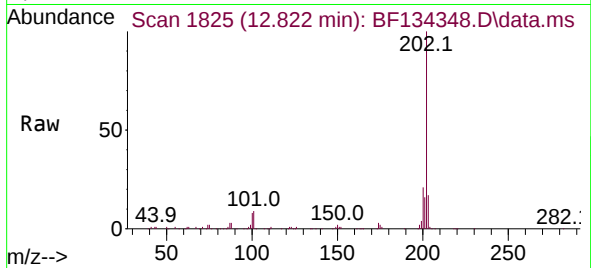
Tgt Ion:240 Resp: 140920
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 25.6 21.0 31.6





#78
Pyrene
Concen: 5.846 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

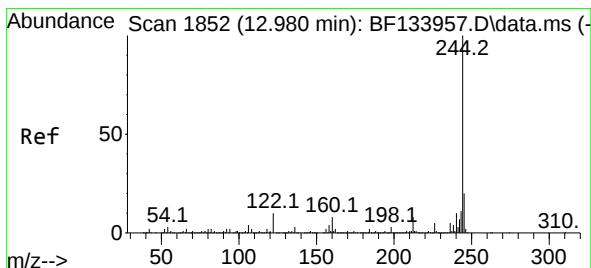
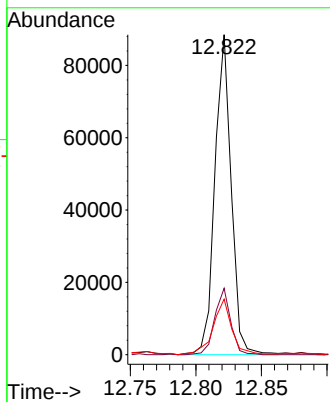
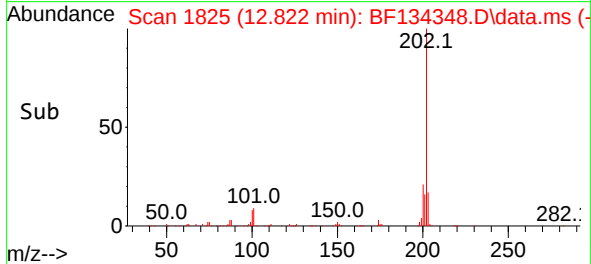
Instrument :
BNA_F
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RB-50-(0-2)



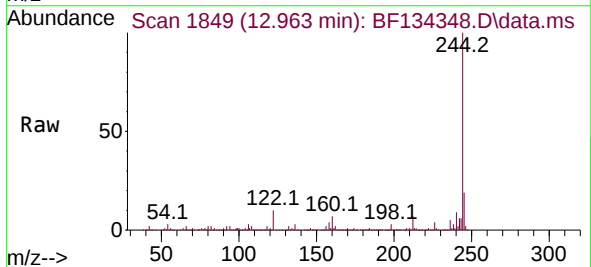
Tgt Ion:202 Resp: 7666
Ion Ratio Lower Upper
202 100
200 20.7 16.1 24.1
203 17.3 14.3 21.5

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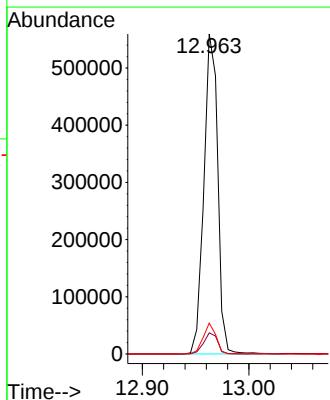
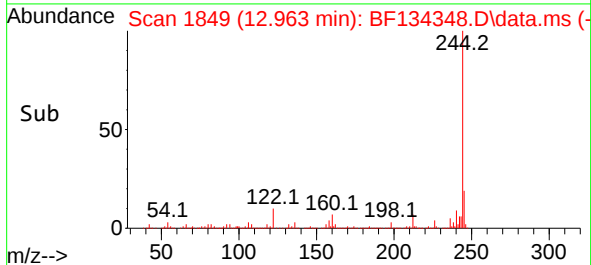
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

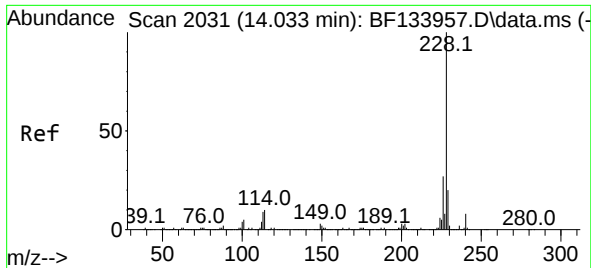


#79
Terphenyl-d14
Concen: 57.949 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51



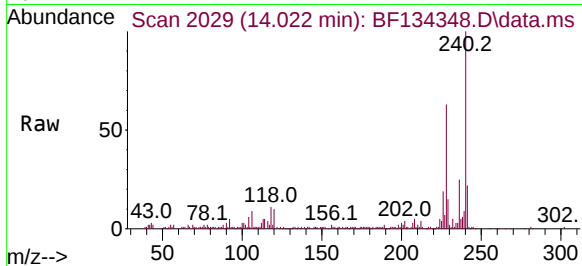
Tgt Ion:244 Resp: 507403
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 9.7 8.3 12.5





#81
Benzo(a)anthracene
Concen: 3.273 ng
RT: 14.022 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

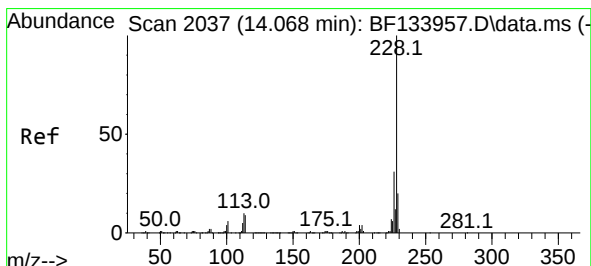
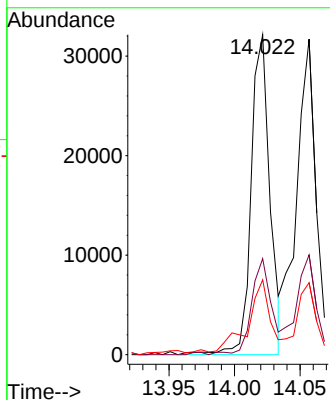
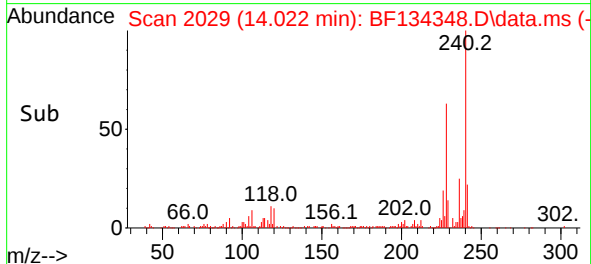
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)



Tgt Ion:228 Resp: 31980
Ion Ratio Lower Upper
228 100
226 30.0 22.0 33.0
229 23.4 16.3 24.5

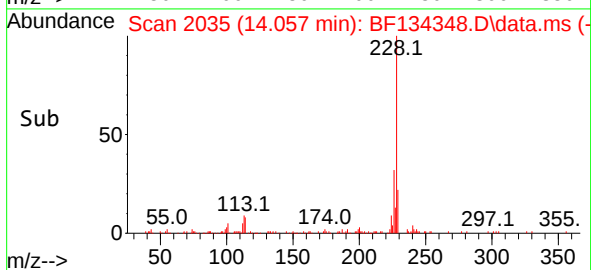
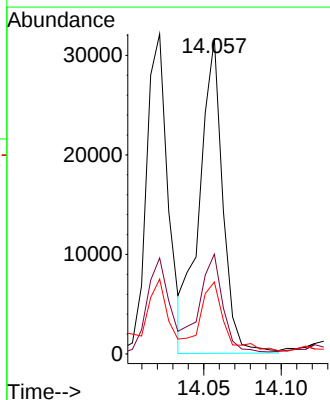
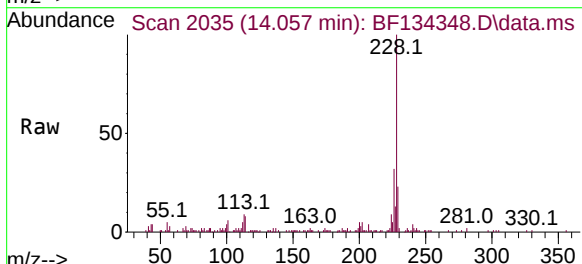
Manual Integrations
APPROVED

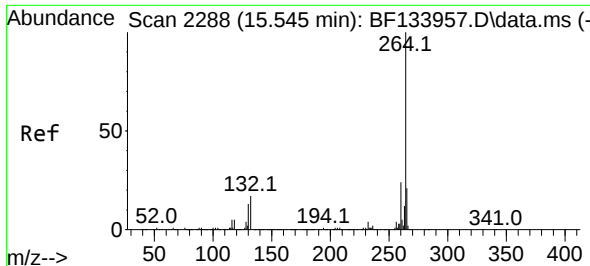
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#83
Chrysene
Concen: 3.505 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion:228 Resp: 33175
Ion Ratio Lower Upper
228 100
226 31.6 24.4 36.6
229 22.8 16.1 24.1





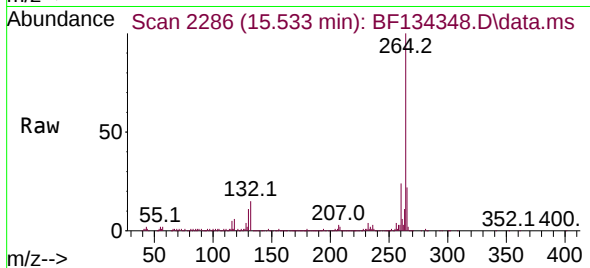
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Instrument :

BNA_F

ClientSampleId :

RB-50-(0-2)

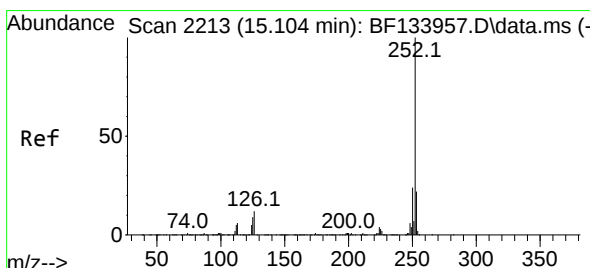
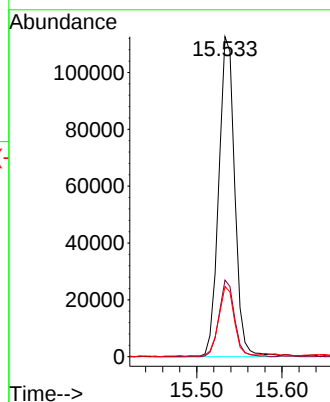
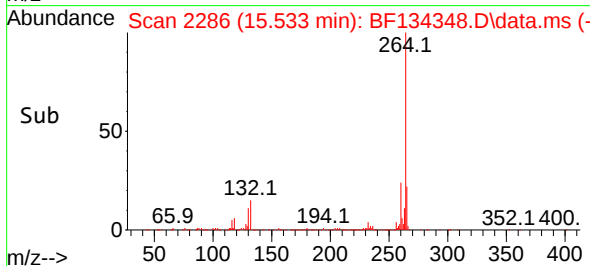


Tgt Ion:264 Resp: 147149
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 21.9 16.6 25.0

Manual Integrations

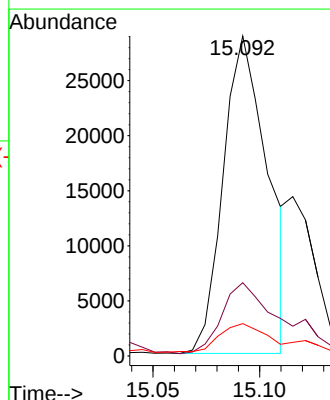
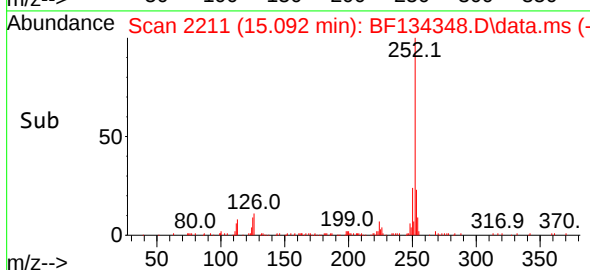
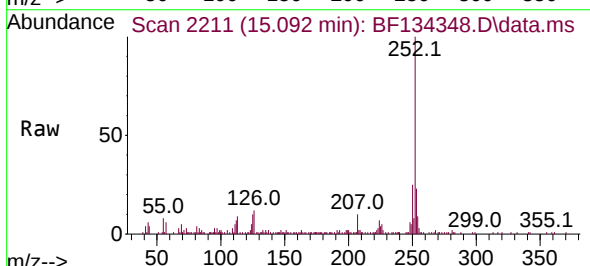
APPROVED

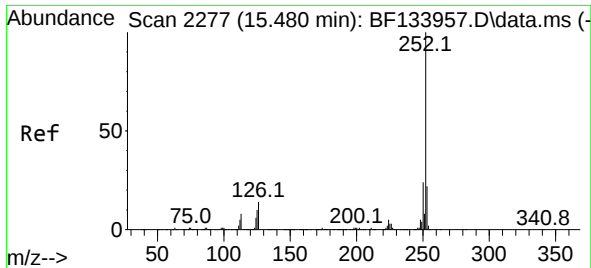
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#88
Benzo(b)fluoranthene
Concen: 4.832 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

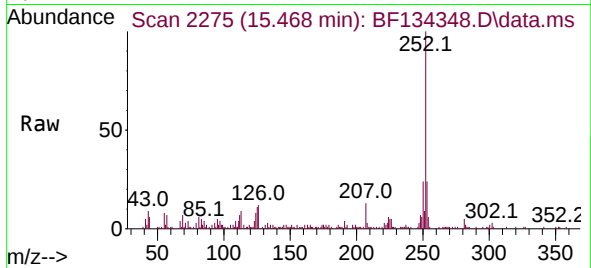
Tgt Ion:252 Resp: 41807
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.1 7.1 10.7





#90
Benzo(a)pyrene
Concen: 3.454 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

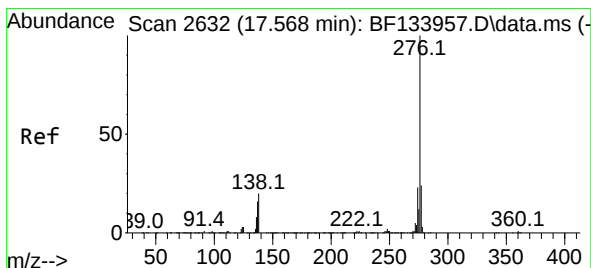
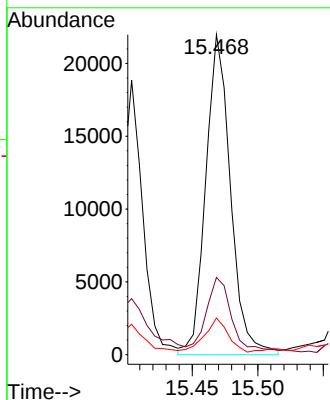
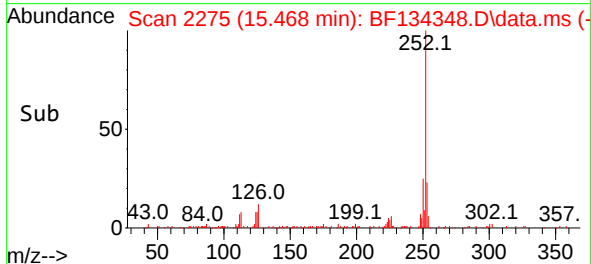
Instrument :
BNA_F
ClientSampleId :
RB-50-(0-2)



Tgt Ion:252 Resp: 2889
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 11.4 8.4 12.6

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.120 ng
RT: 17.551 min Scan# 2629
Delta R.T. -0.017 min
Lab File: BF134348.D
Acq: 18 Jul 2023 20:51

Tgt Ion:276 Resp: 18237
Ion Ratio Lower Upper
276 100
277 21.2 19.0 28.6
138 19.9 16.2 24.2

