

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134345.D
 Acq On : 18 Jul 2023 19:11
 Operator : CG\JU
 Sample : 03597-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(1-3)

Manual Integrations
 APPROVED

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

Quant Time: Jul 19 01:39:49 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	6.839	152	71718	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	269813	20.000	ng	# 0.00
39) Acenaphthene-d10	9.874	164	128666	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	217728	20.000	ng	0.00
76) Chrysene-d12	14.033	240	157422	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	150656	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	370531	86.424	ng	0.00
7) Phenol-d6	6.481	99	446695	84.719	ng	0.00
23) Nitrobenzene-d5	7.398	82	311324	62.199	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	140150	86.876	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	505407	57.110	ng	-0.01
79) Terphenyl-d14	12.963	244	423514	43.298	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	38963	3.555	ng	98
74) Di-n-butylphthalate	11.933	149	41604	3.353	ng	99
75) Fluoranthene	12.592	202	87952	7.422	ng	96
78) Pyrene	12.821	202	85380	5.828	ng	98
81) Benzo(a)anthracene	14.021	228	52063m	4.769	ng	
83) Chrysene	14.057	228	42719	4.040	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	24211	2.316	ng	# 89
88) Benzo(b)fluoranthene	15.092	252	57375m	6.477	ng	
89) Benzo(k)fluoranthene	15.115	252	18729m	2.076	ng	
90) Benzo(a)pyrene	15.468	252	41199	4.809	ng	# 93
92) Benzo(g,h,i)perylene	17.556	276	24966	2.835	ng	# 91

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

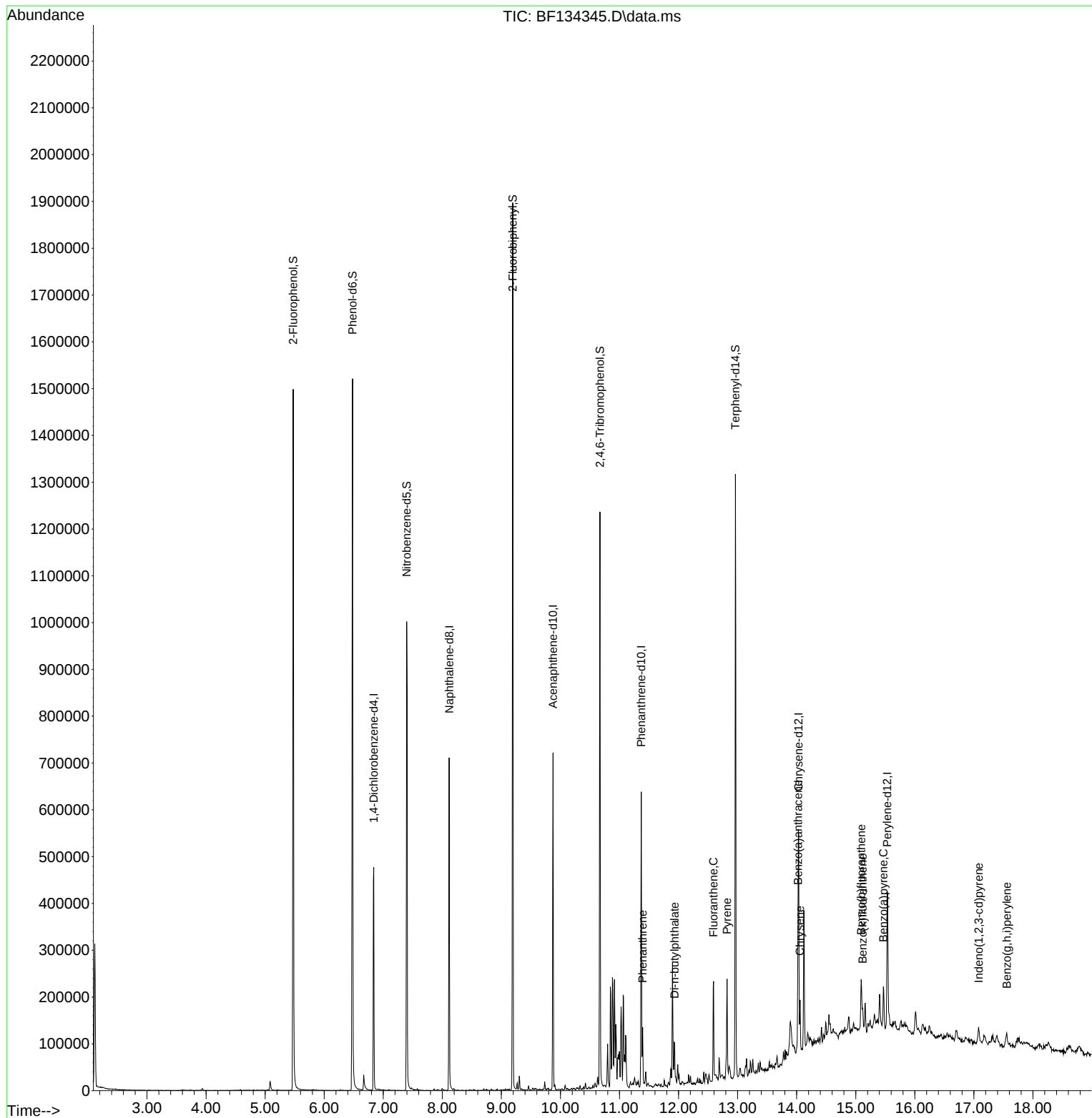
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
Data File : BF134345.D
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Manual Integrations
APPROVED

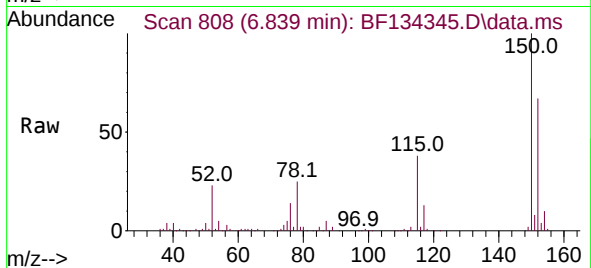
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

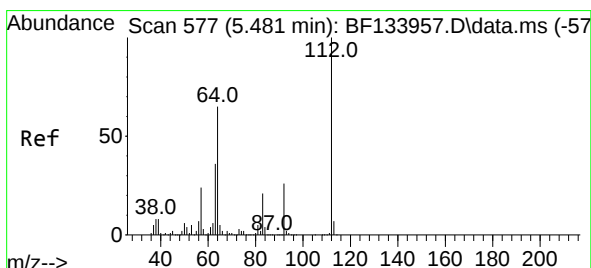
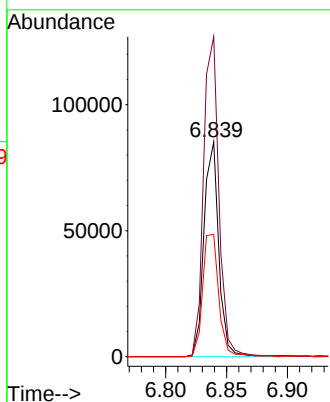
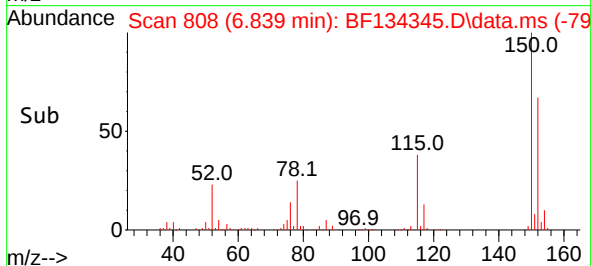
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)



Tgt Ion:152 Resp: 71718
Ion Ratio Lower Upper
152 100
150 148.9 124.5 186.7
115 56.9 50.2 75.2

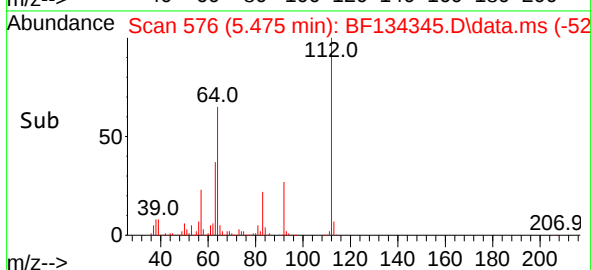
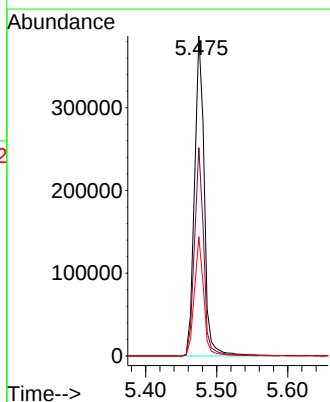
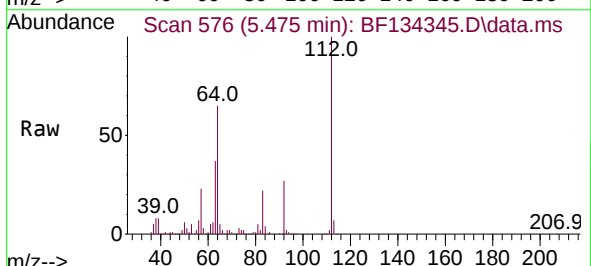
Manual Integrations
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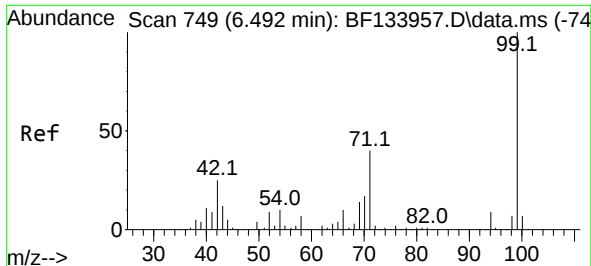
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 86.424 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

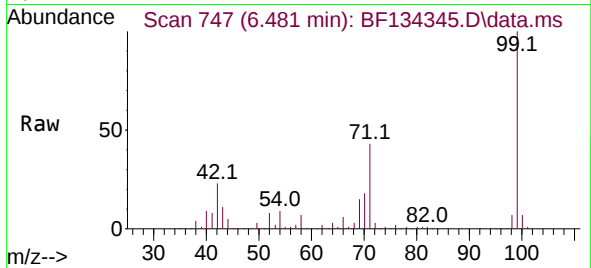
Tgt Ion:112 Resp: 370531
Ion Ratio Lower Upper
112 100
64 65.1 52.1 78.1
63 37.2 28.6 42.8





#7
Phenol-d6
Concen: 84.719 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

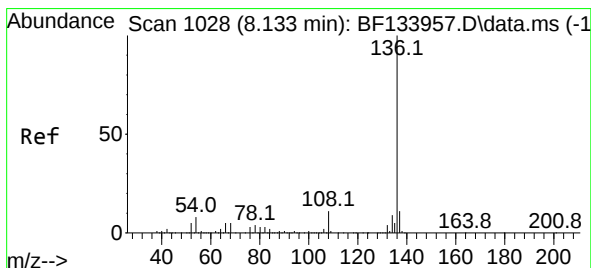
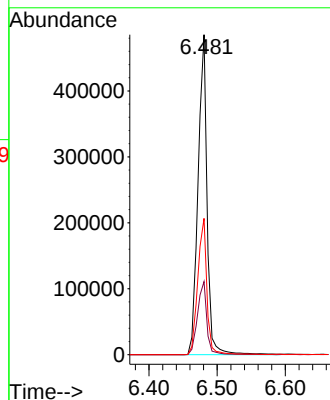
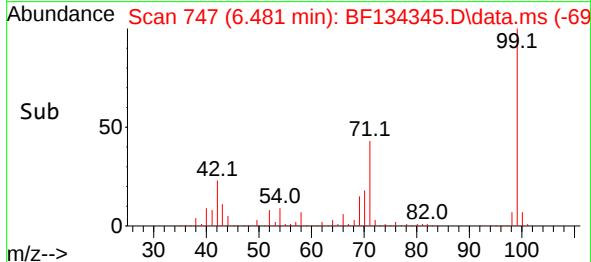
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)



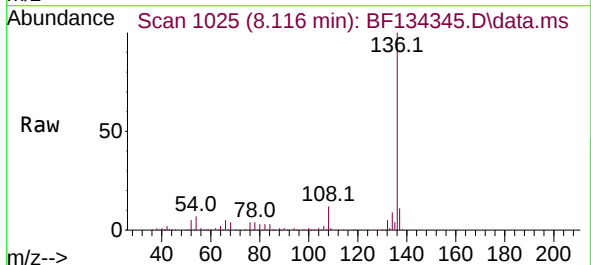
Tgt Ion: 99 Resp: 446699
Ion Ratio Lower Upper
99 100
42 22.9 19.8 29.6
71 42.6 31.9 47.9

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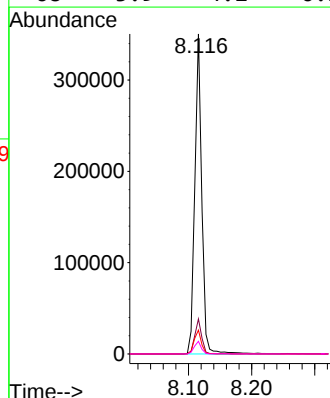
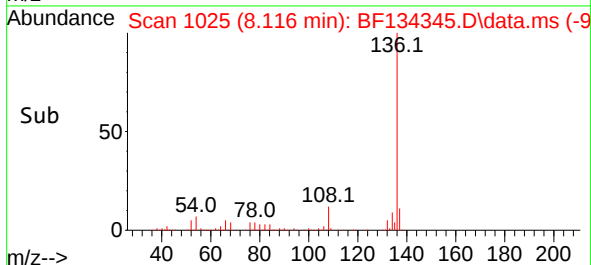
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11



Tgt Ion:136 Resp: 269813
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.4 6.5 9.7
68 3.9 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 62.199 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

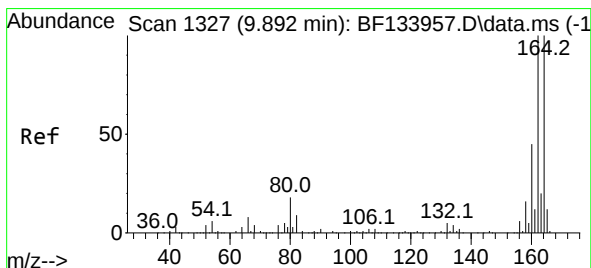
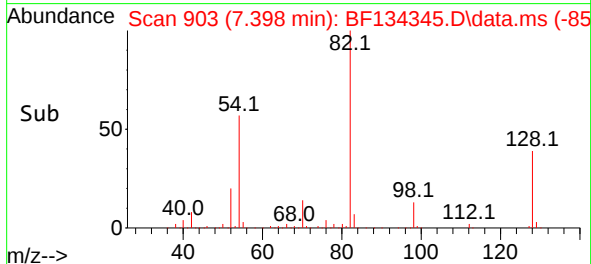
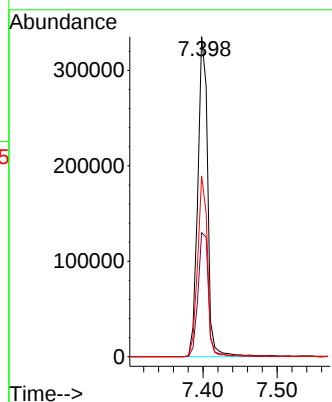
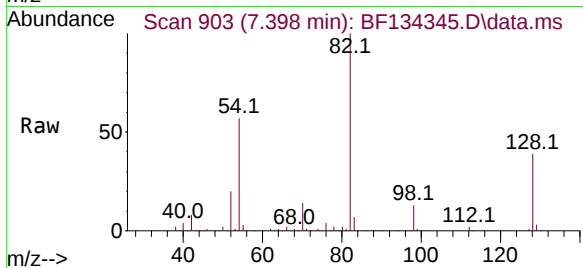
ClientSampleId :

RB-42-(1-3)

Tgt Ion: 82 Resp: 311324
 Ion Ratio Lower Upper
 82 100
 128 38.8 32.5 48.7
 54 56.5 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

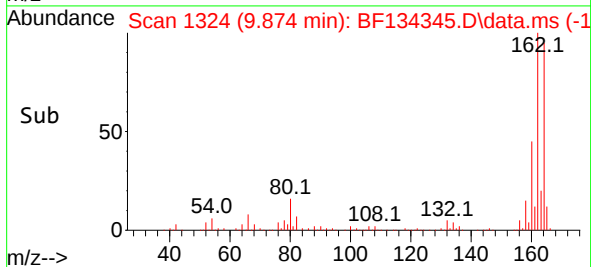
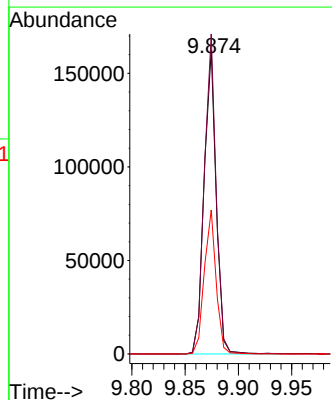
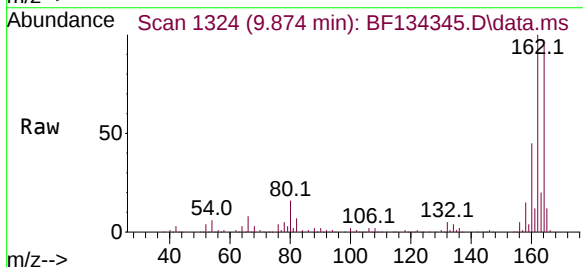
RT: 9.874 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

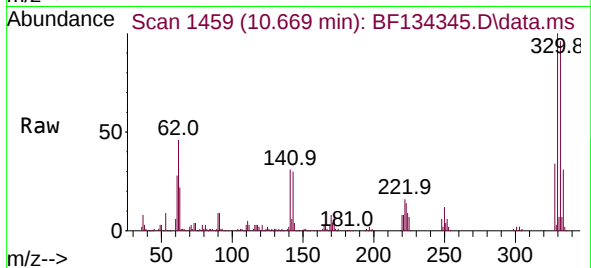
Tgt Ion:164 Resp: 128666
 Ion Ratio Lower Upper
 164 100
 162 105.2 80.0 120.0
 160 47.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 86.876 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

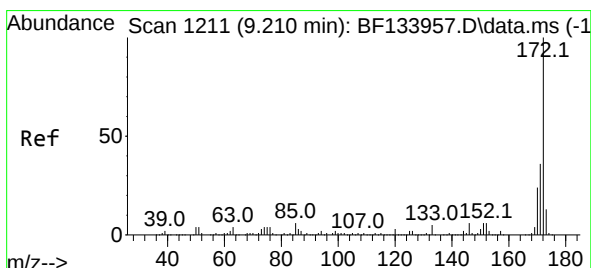
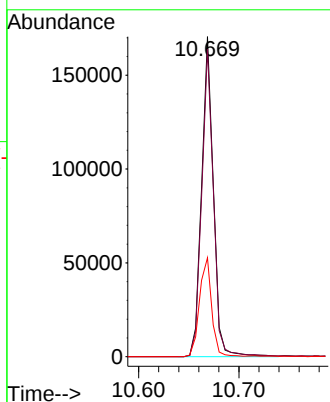
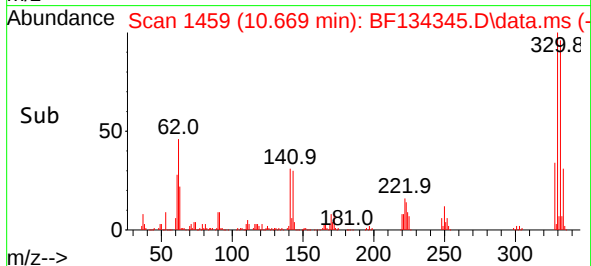
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)



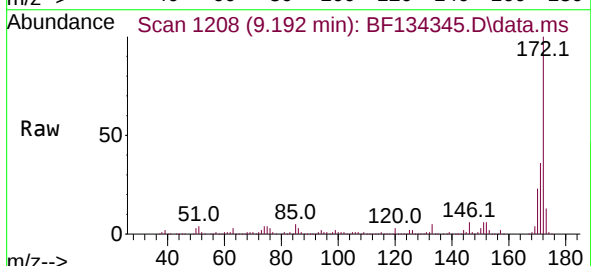
Tgt Ion: 330 Resp: 140150
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 32.0 26.3 39.5

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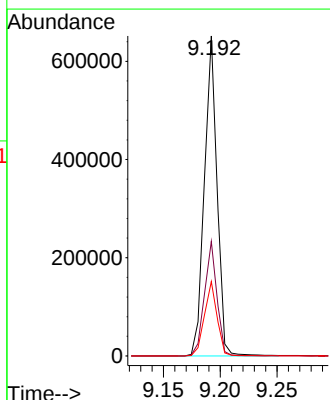
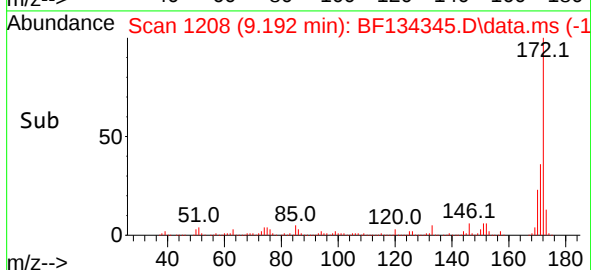
Reviewed By : Yogesh Patel 07/19/2023
Supervised By : mohammad ahmed 07/19/2023

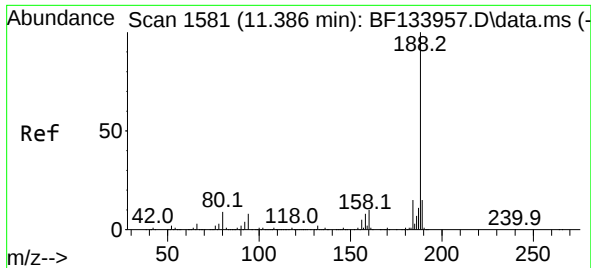


#45
2-Fluorobiphenyl
Concen: 57.110 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11



Tgt Ion: 172 Resp: 505407
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.3 19.4 29.0





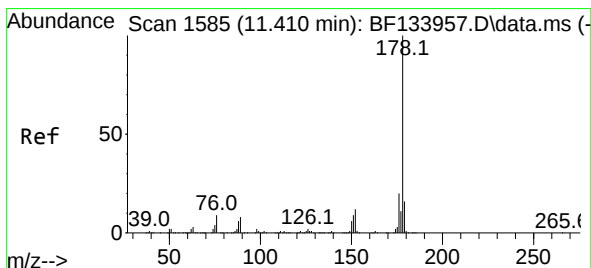
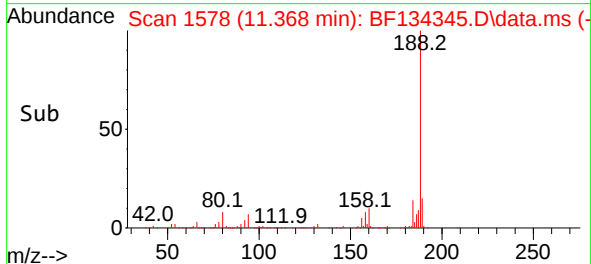
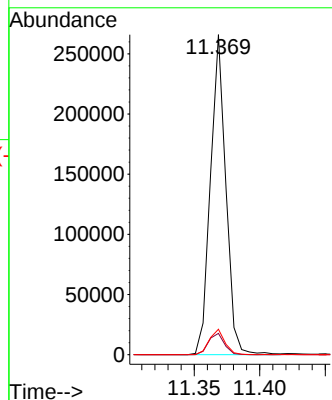
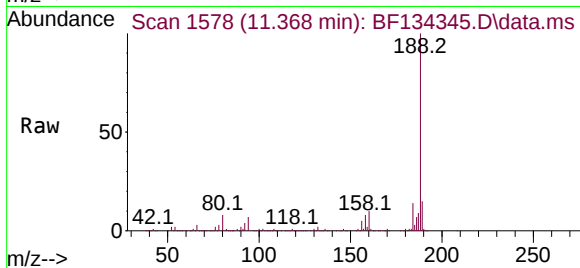
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion:188 Resp: 217728
Ion Ratio Lower Upper
188 100
94 6.7 6.4 9.6
80 8.0 7.3 10.9

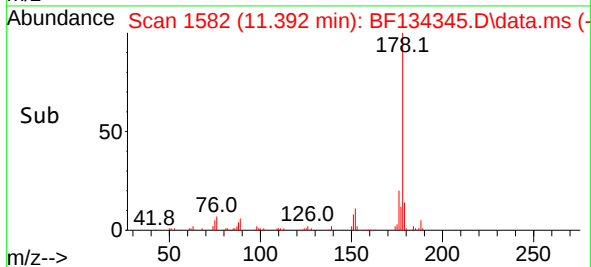
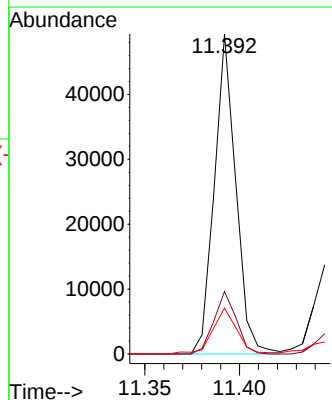
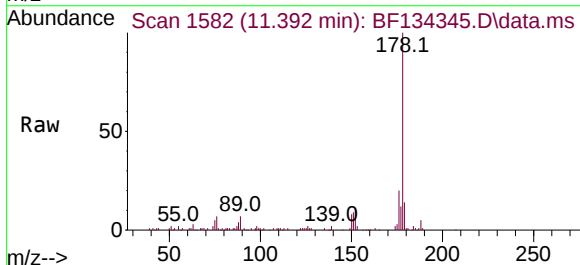
Manual Integrations
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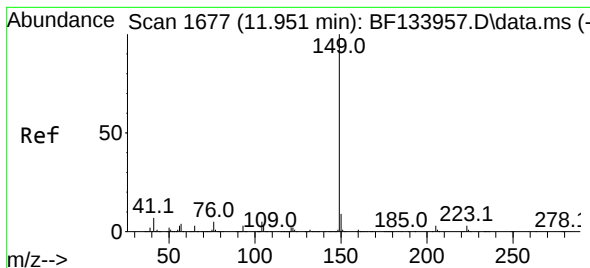
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 3.555 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Tgt Ion:178 Resp: 38963
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 14.3 12.4 18.6





#74

Di-n-butylphthalate

Concen: 3.353 ng

RT: 11.933 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

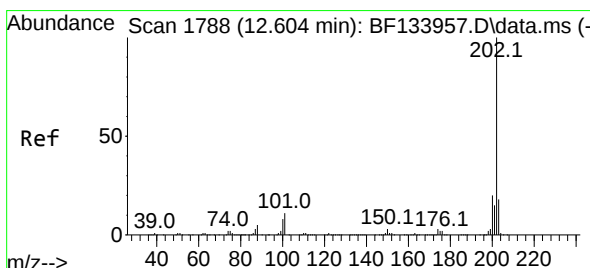
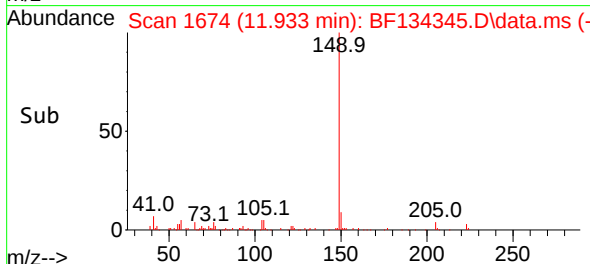
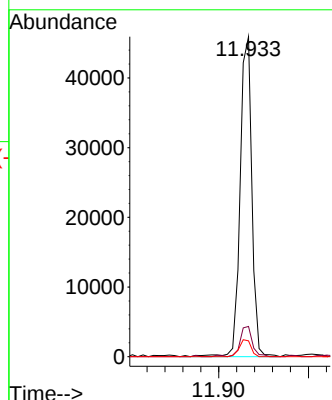
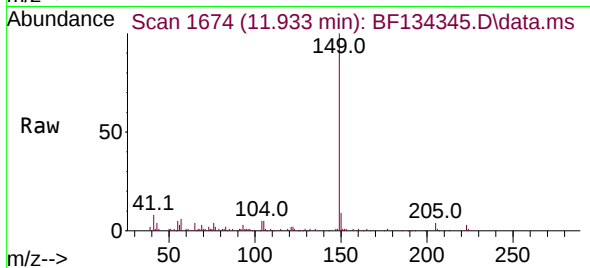
Tgt Ion:	149	Resp:	41604
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.1	10.7
104	5.0	4.0	6.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#75

Fluoranthene

Concen: 7.422 ng

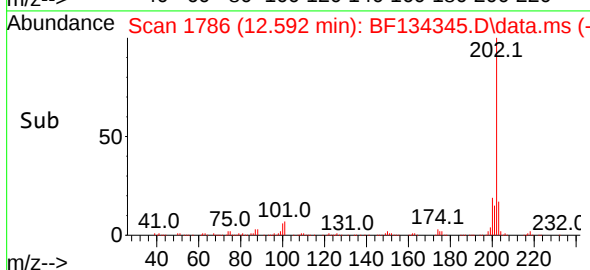
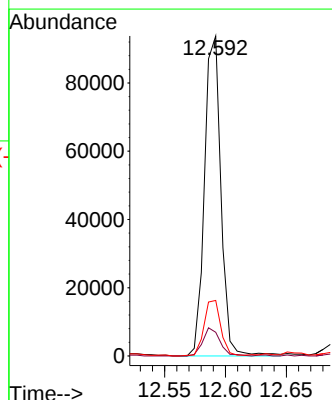
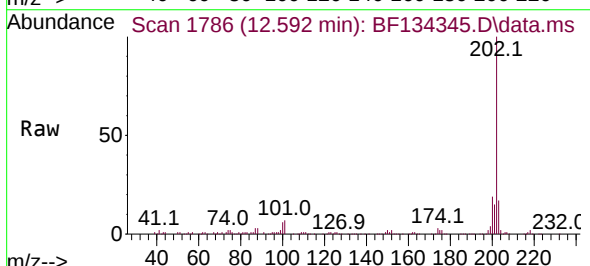
RT: 12.592 min Scan# 1786

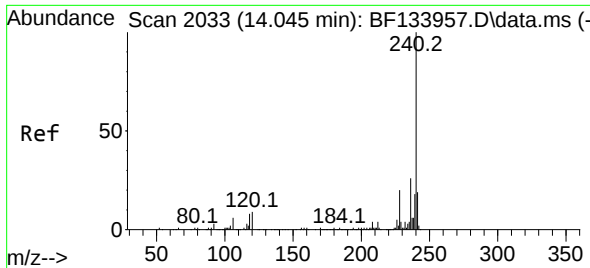
Delta R.T. -0.006 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

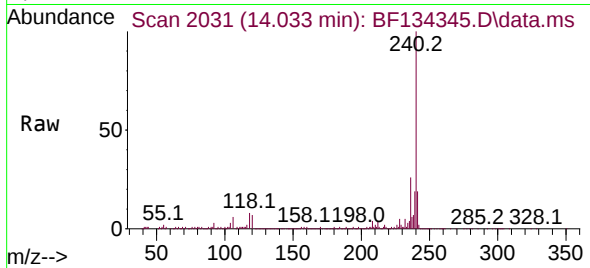
Tgt Ion:	202	Resp:	87952
Ion Ratio	Lower	Upper	
202	100		
101	7.4	0.0	31.0
203	17.3	0.0	37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

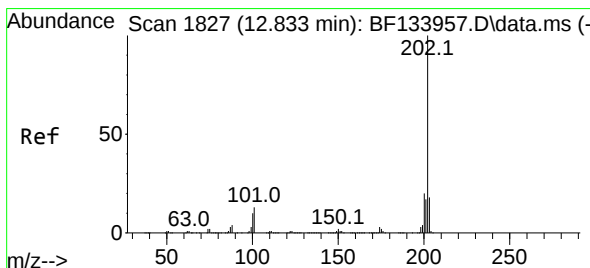
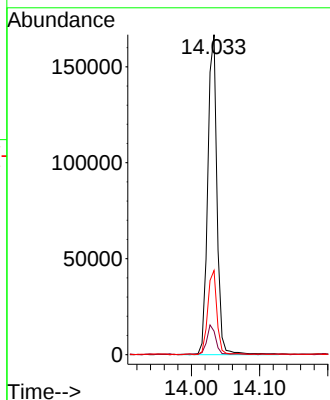
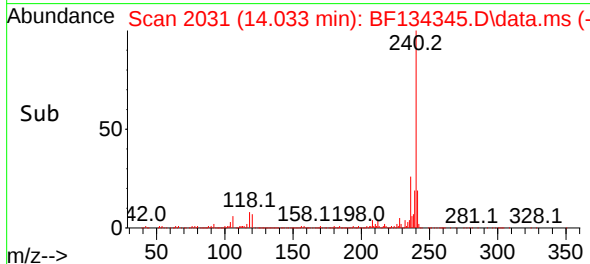
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)



Tgt Ion:240 Resp: 15742
Ion Ratio Lower Upper
240 100
120 7.3 7.4 11.0
236 26.3 21.0 31.6

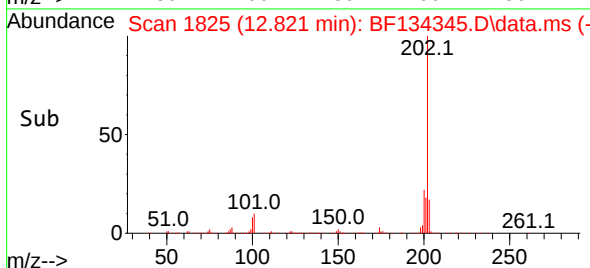
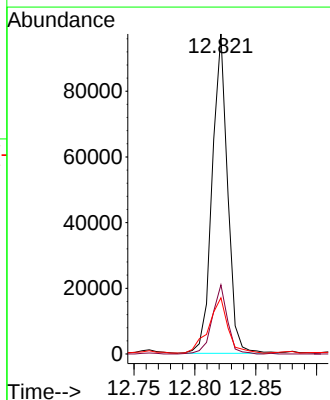
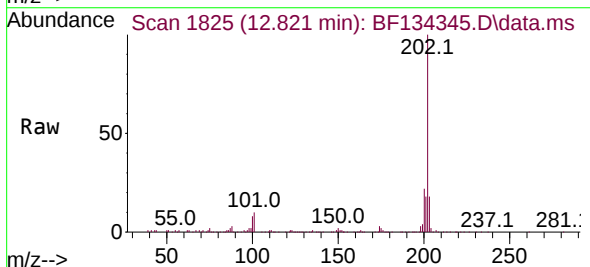
Manual Integrations
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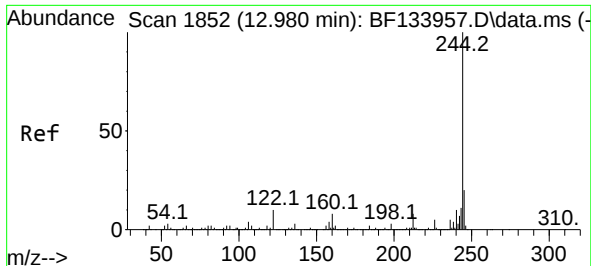
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#78
Pyrene
Concen: 5.828 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

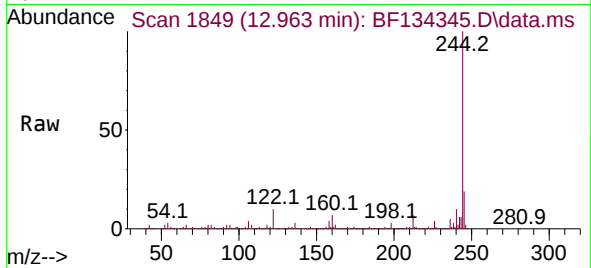
Tgt Ion:202 Resp: 85380
Ion Ratio Lower Upper
202 100
200 21.6 16.1 24.1
203 17.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 43.298 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134345.D
 Acq: 18 Jul 2023 19:11

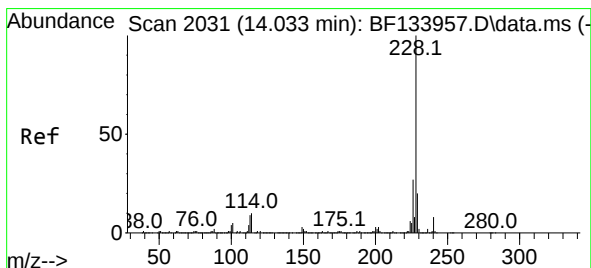
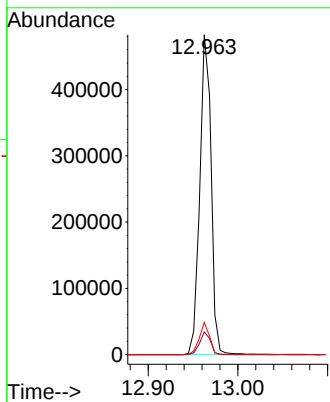
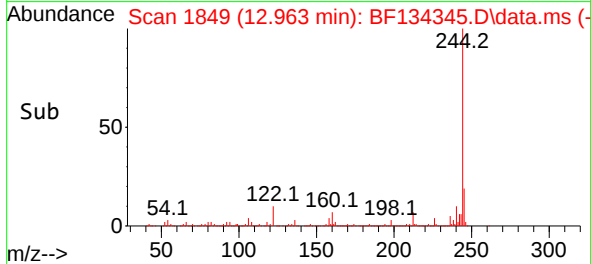
Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(1-3)



Tgt Ion:244 Resp: 423514
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 10.1 8.3 12.5

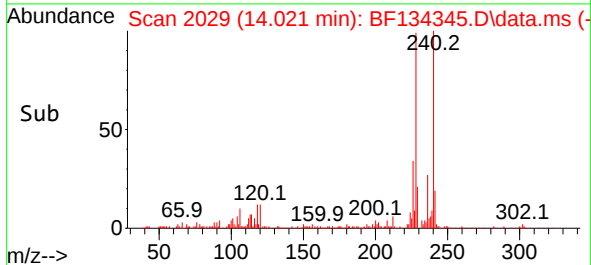
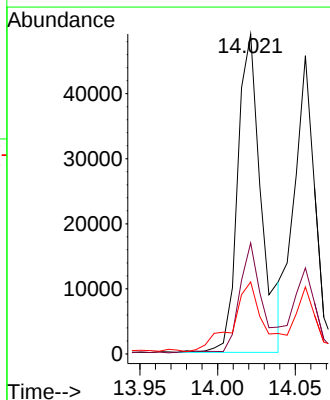
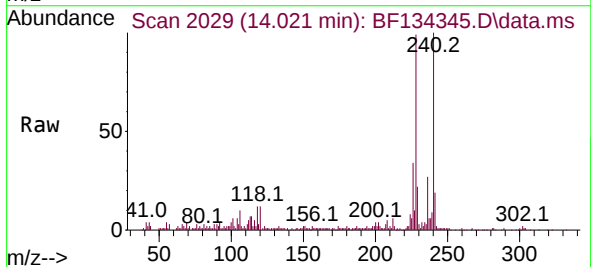
Manual Integrations
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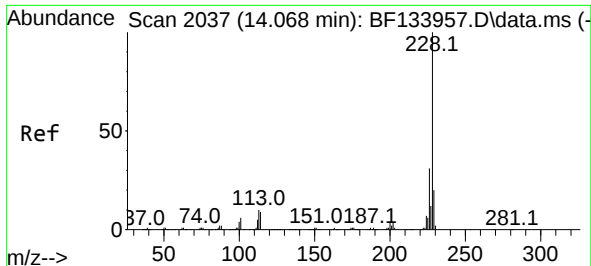
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#81
 Benzo(a)anthracene
 Concen: 4.769 ng m
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134345.D
 Acq: 18 Jul 2023 19:11

Tgt Ion:228 Resp: 52063
 Ion Ratio Lower Upper
 228 100
 226 34.7 22.0 33.0#
 229 22.5 16.3 24.5





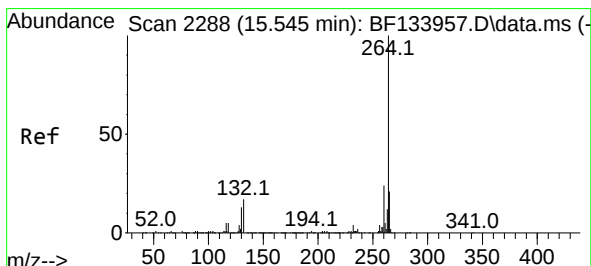
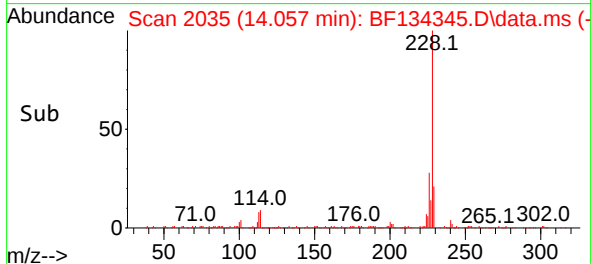
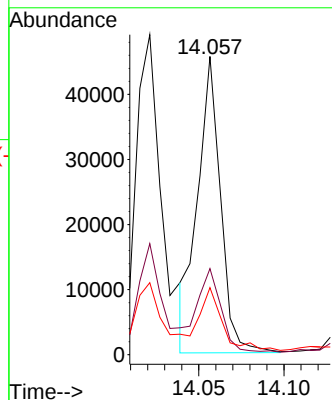
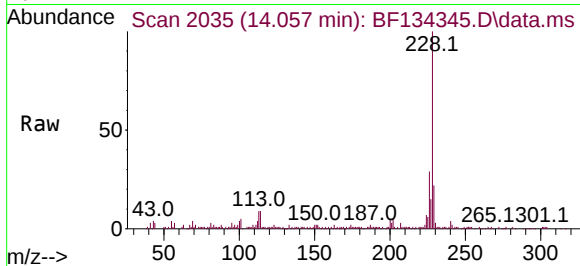
#83
Chrysene
Concen: 4.040 ng
RT: 14.057 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion:228 Resp: 42719
Ion Ratio Lower Upper
228 100
226 28.9 24.4 36.6
229 22.5 16.1 24.1

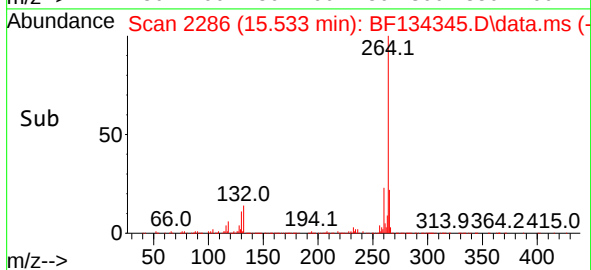
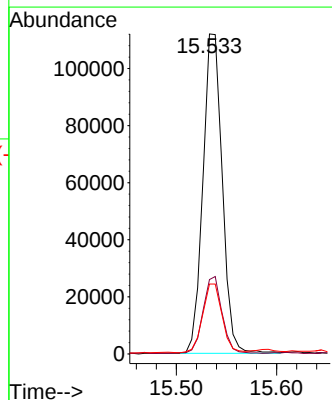
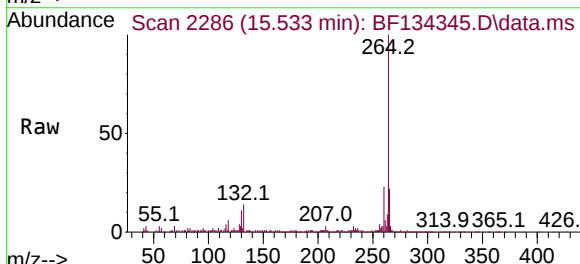
Manual Integrations
APPROVED

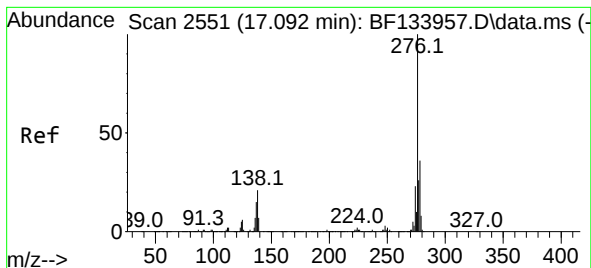
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.012 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Tgt Ion:264 Resp: 150656
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 21.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.316 ng

RT: 17.080 min Scan# 211

Delta R.T. -0.018 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

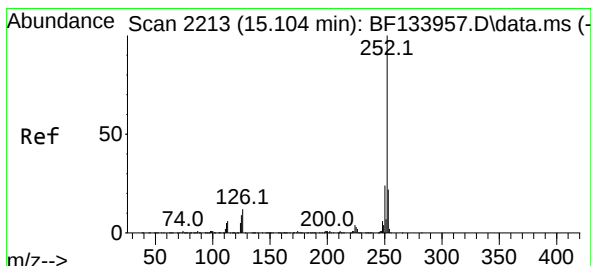
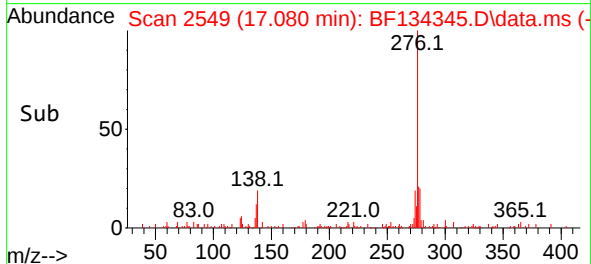
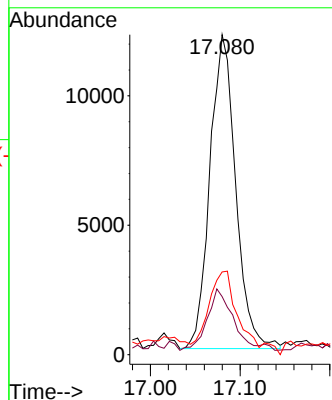
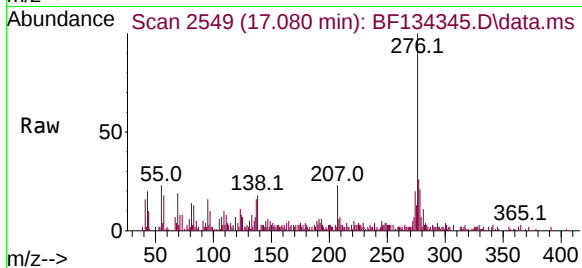
Tgt Ion:276 Resp: 2421
 Ion Ratio Lower Upper
 276 100
 138 19.9 18.7 28.1
 277 32.0 19.9 29.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#88

Benzo(b)fluoranthene

Concen: 6.477 ng m

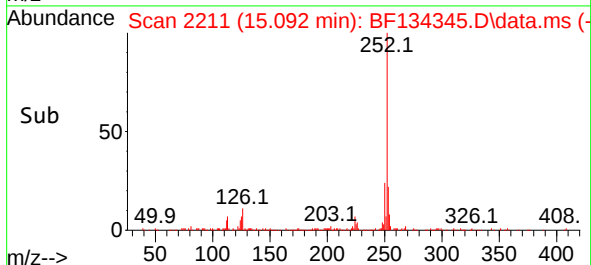
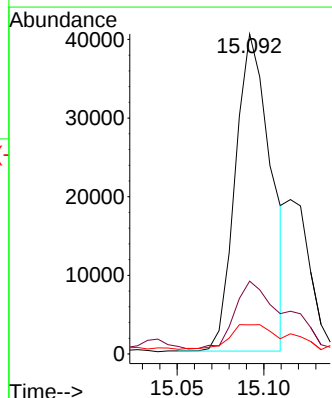
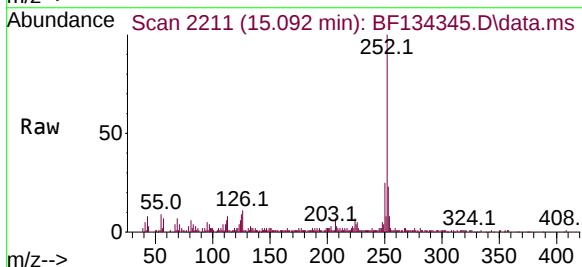
RT: 15.092 min Scan# 2211

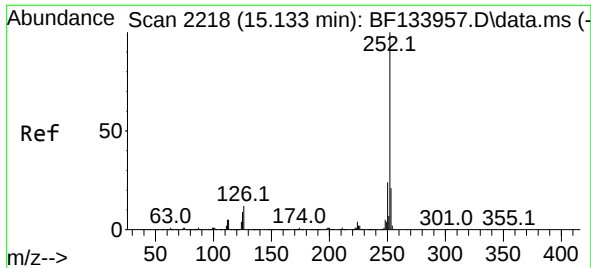
Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Tgt Ion:252 Resp: 57375
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.0
 125 9.1 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 2.076 ng m

RT: 15.115 min Scan# 2215

Delta R.T. -0.018 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

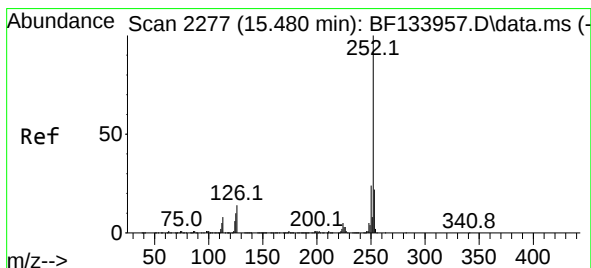
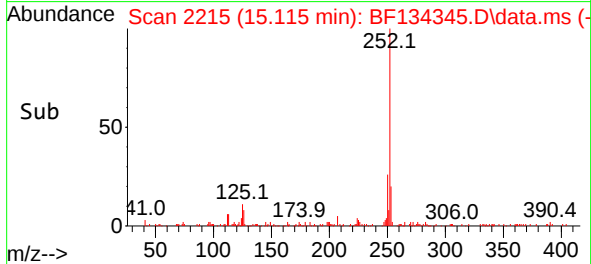
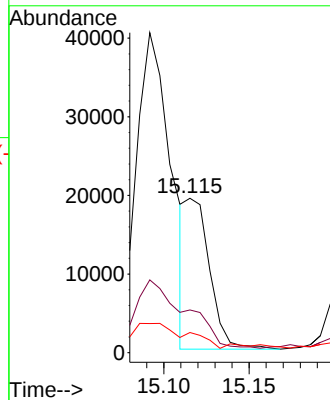
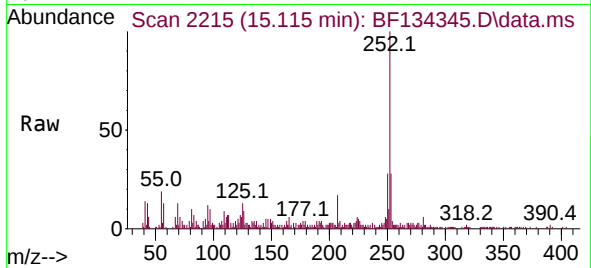
Tgt Ion:252	Resp:	18729
Ion Ratio	Lower	Upper
252	100	
253	27.6	16.9 25.3
125	13.0	7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#90

Benzo(a)pyrene

Concen: 4.809 ng

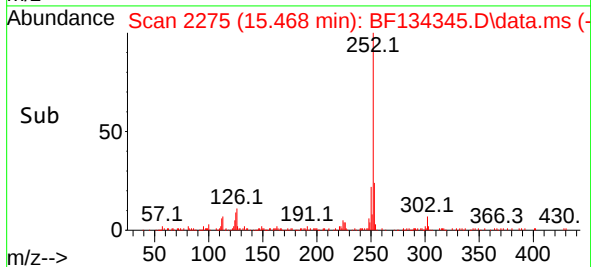
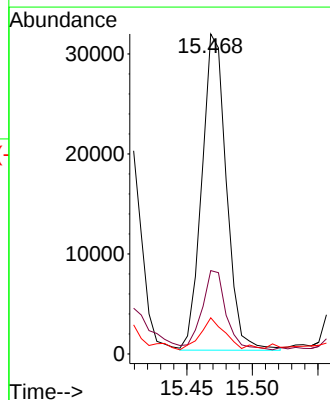
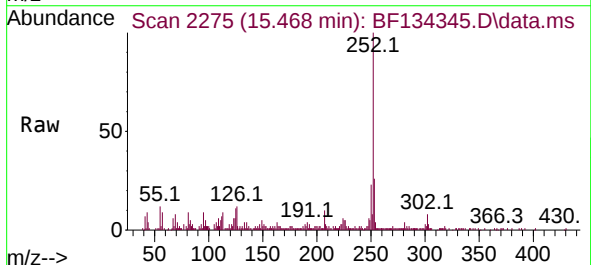
RT: 15.468 min Scan# 2275

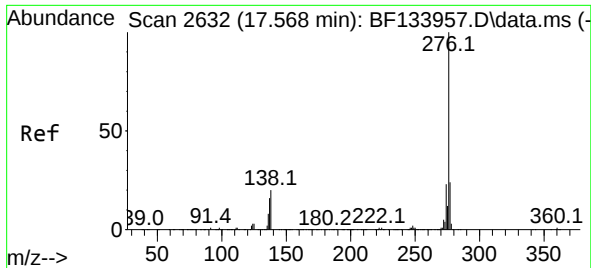
Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

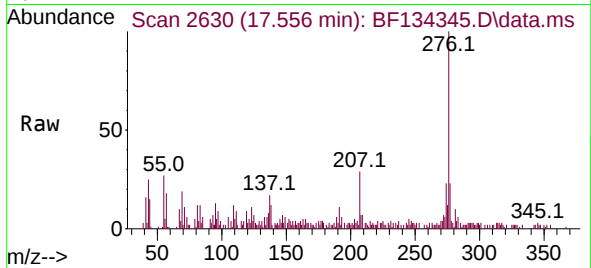
Tgt Ion:252	Resp:	41199
Ion Ratio	Lower	Upper
252	100	
253	26.1	17.4 26.0
125	11.3	8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.835 ng
 RT: 17.556 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF134345.D
 Acq: 18 Jul 2023 19:11

Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(1-3)



Tgt Ion: 276 Resp: 2496
 Ion Ratio Lower Upper
 276 100
 277 23.3 19.0 28.6
 138 11.7 16.2 24.2

Manual Integrations
 APPROVED

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

