

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134407.D
 Acq On : 21 Jul 2023 18:27
 Operator : CG\JU
 Sample : 03638-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 21 19:31:24 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	59387	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	224175	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	111984	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	207652	20.000	ng	0.00
76) Chrysene-d12	14.033	240	126406	20.000	ng	0.00
86) Perylene-d12	15.539	264	140654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	260435	73.357	ng	0.00
7) Phenol-d6	6.475	99	308918	70.754	ng	-0.01
23) Nitrobenzene-d5	7.398	82	207649	49.932	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	101061	71.978	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	377077	48.956	ng	-0.01
79) Terphenyl-d14	12.963	244	362973	46.214	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.592	202	47669	4.218	ng	97
78) Pyrene	12.821	202	43225	3.674	ng	98
81) Benzo(a)anthracene	14.021	228	23294m	2.657	ng	
83) Chrysene	14.057	228	21502	2.532	ng	95
88) Benzo(b)fluoranthene	15.092	252	29154m	3.525	ng	
90) Benzo(a)pyrene	15.468	252	20395	2.550	ng	98

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

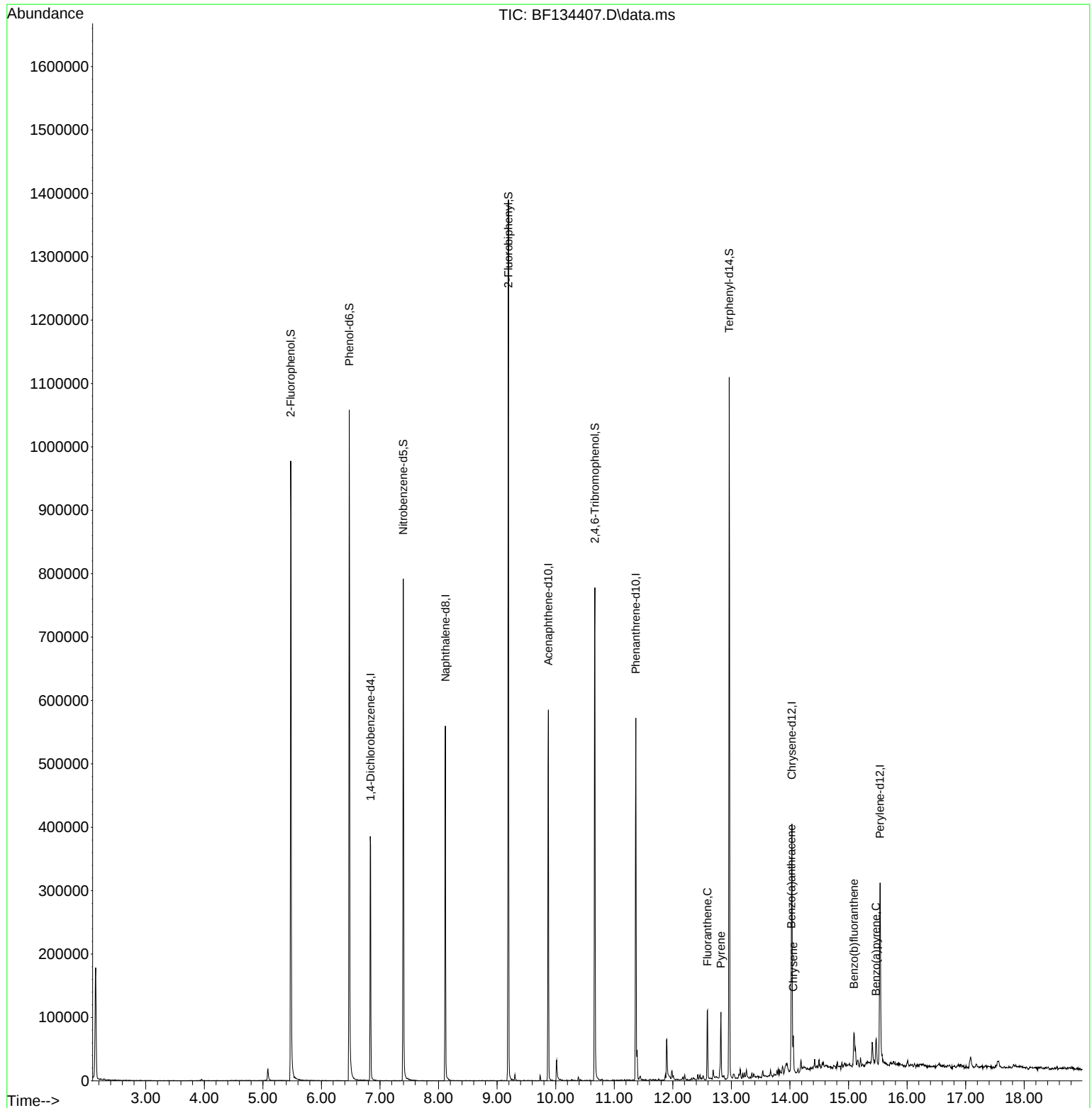
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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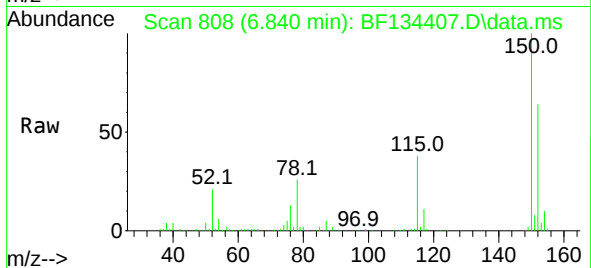
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27

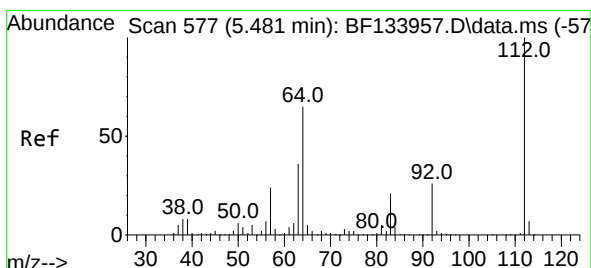
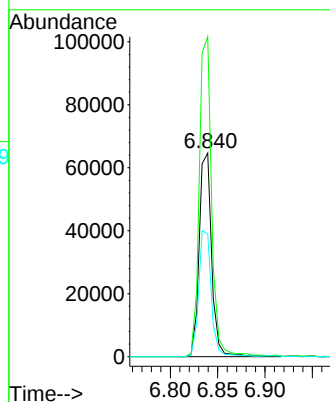
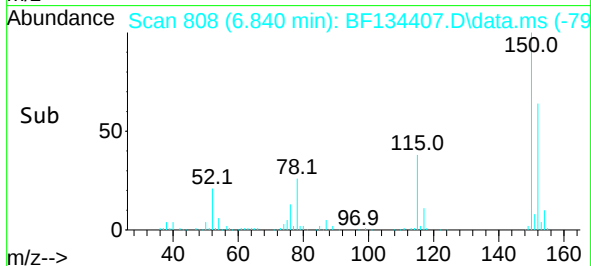
Instrument :
BNA_F
ClientSampleId :
TP2



Tgt Ion:152 Resp: 5938
Ion Ratio Lower Upper
152 100
150 157.1 124.5 186.7
115 60.4 50.2 75.2

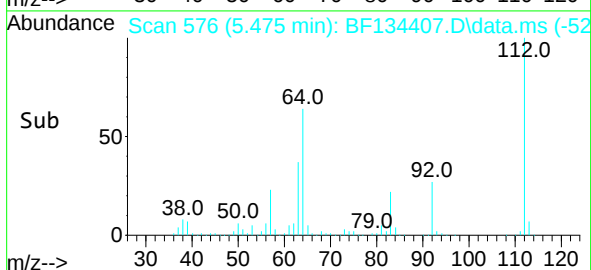
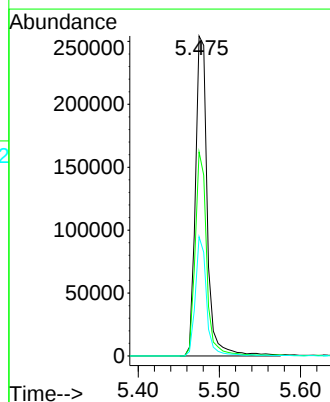
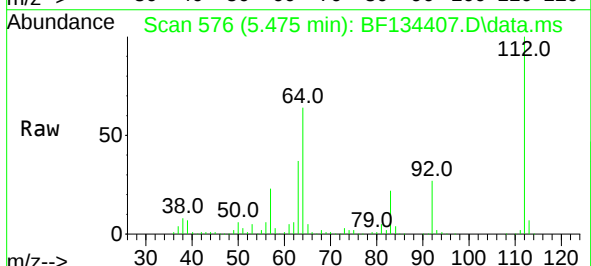
Manual Integrations
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Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#5
2-Fluorophenol
Concen: 73.357 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27

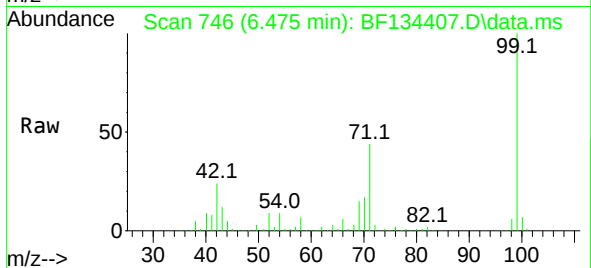
Tgt Ion:112 Resp: 260435
Ion Ratio Lower Upper
112 100
64 63.8 52.1 78.1
63 37.3 28.6 42.8





#7
Phenol-d6
Concen: 70.754 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27

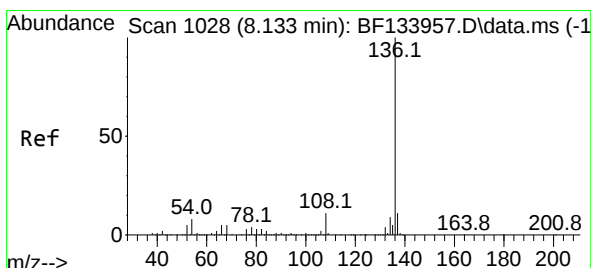
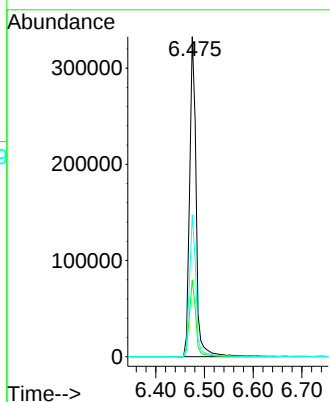
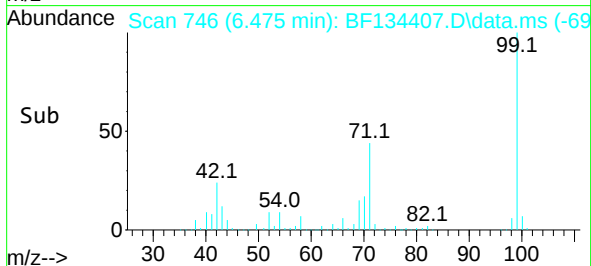
Instrument :
BNA_F
ClientSampleId :
TP2



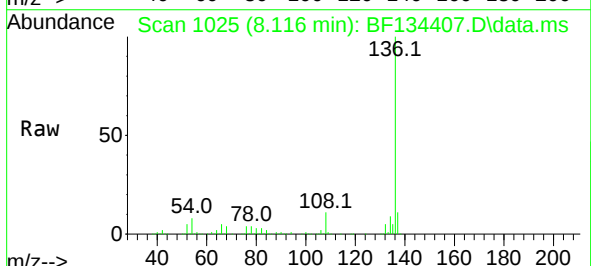
Tgt Ion: 99 Resp: 308918
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.6
71 44.3 31.9 47.9

Manual Integrations
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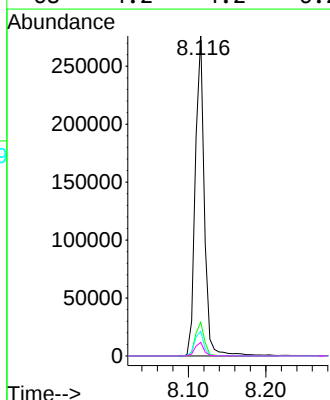
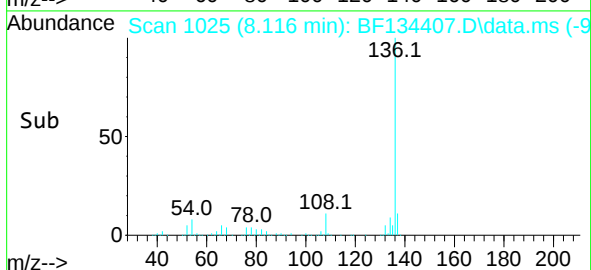
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27



Tgt Ion:136 Resp: 224175
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 7.7 6.5 9.7
68 4.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 49.932 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134407.D

Acq: 21 Jul 2023 18:27

Instrument :

BNA_F

ClientSampleId :

TP2

Tgt Ion: 82 Resp: 207649

Ion Ratio Lower Upper

82 100

128 41.8 32.5 48.7

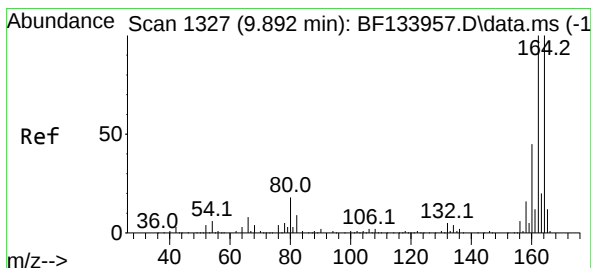
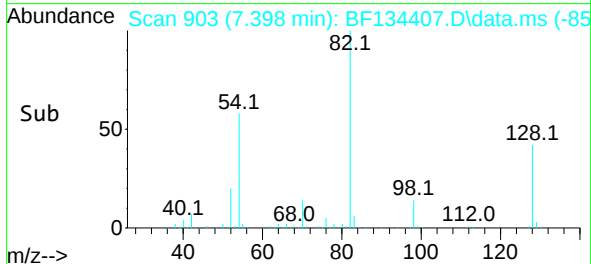
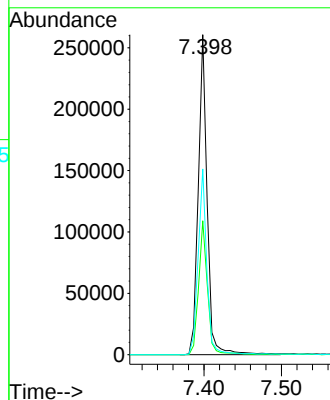
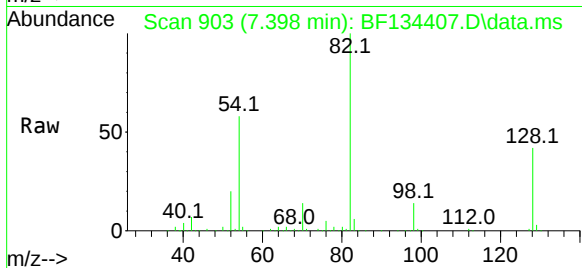
54 58.1 48.2 72.2

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF134407.D

Acq: 21 Jul 2023 18:27

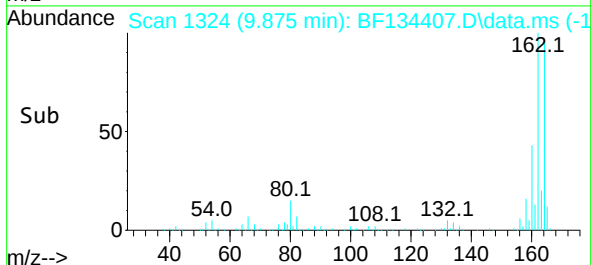
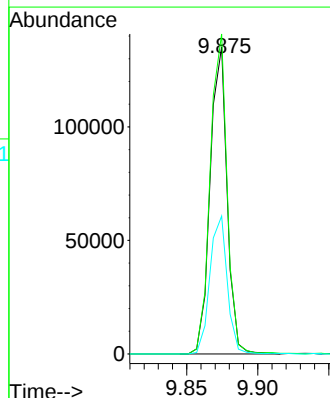
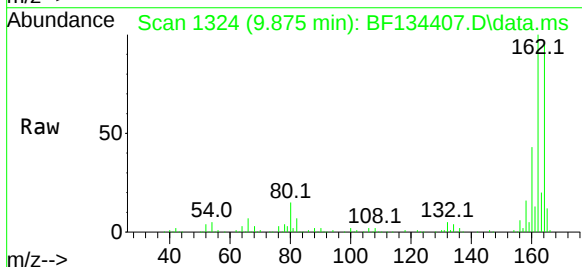
Tgt Ion:164 Resp: 111984

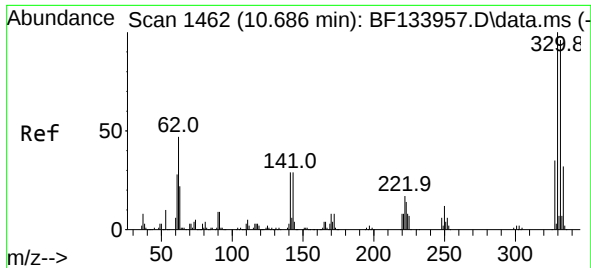
Ion Ratio Lower Upper

164 100

162 104.2 80.0 120.0

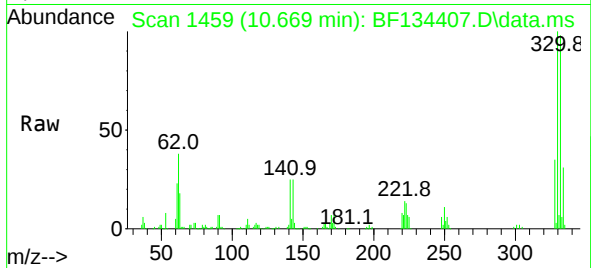
160 44.9 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 71.978 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27

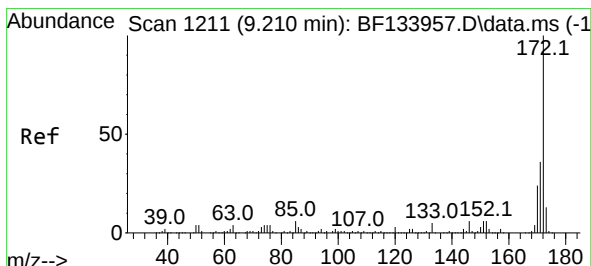
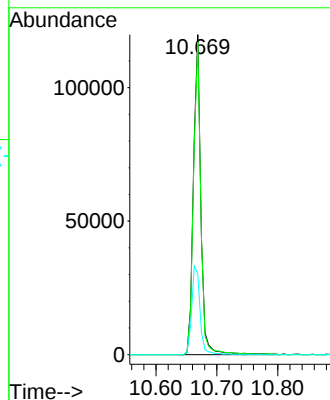
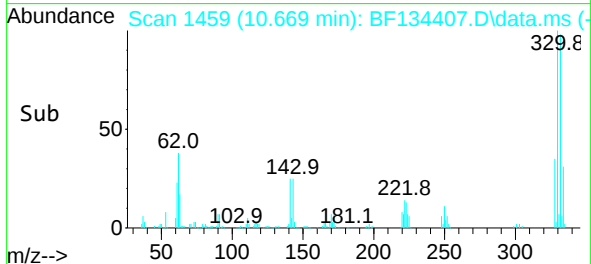
Instrument :
BNA_F
ClientSampleId :
TP2



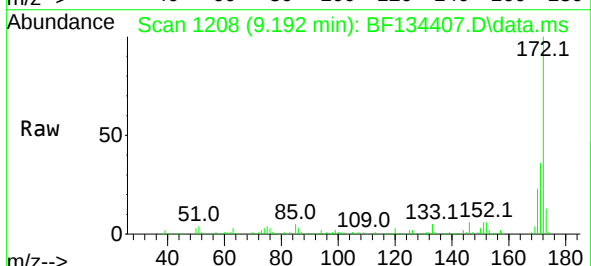
Tgt Ion: 330 Resp: 101063
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 31.1 26.3 39.5

Manual Integrations
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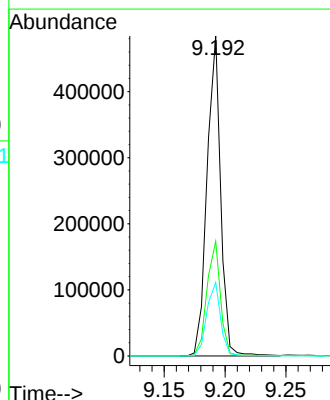
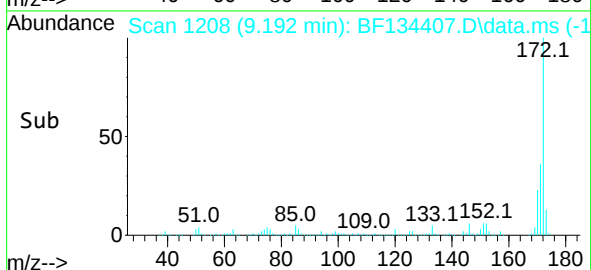
Reviewed By : Yogesh Patel 07/24/2023
Supervised By : mohammad ahmed 07/24/2023

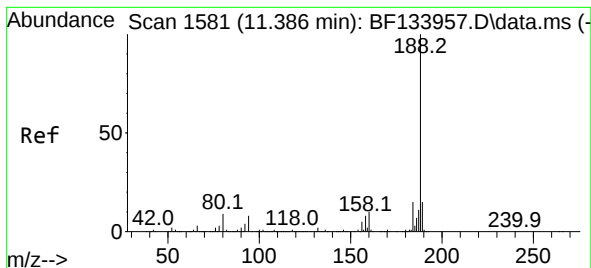


#45
2-Fluorobiphenyl
Concen: 48.956 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27



Tgt Ion: 172 Resp: 377077
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.0 19.4 29.0





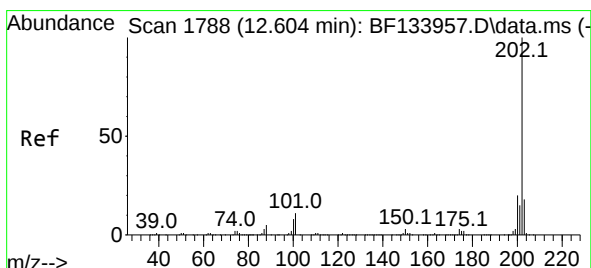
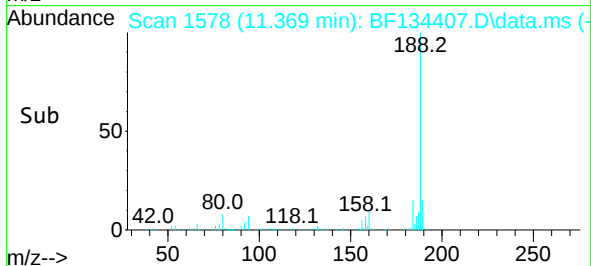
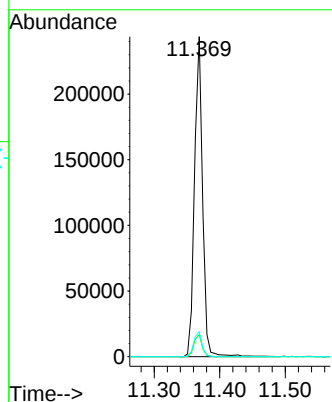
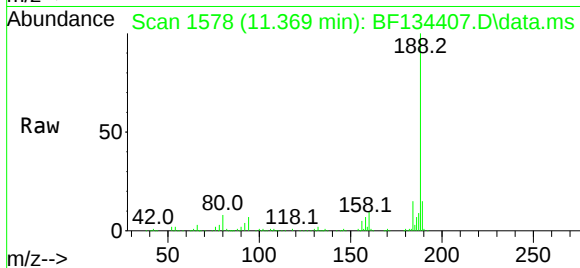
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27

Instrument :
BNA_F
ClientSampleId :
TP2

Tgt Ion:188 Resp: 207652
Ion Ratio Lower Upper
188 100
94 6.9 6.4 9.6
80 7.7 7.3 10.9

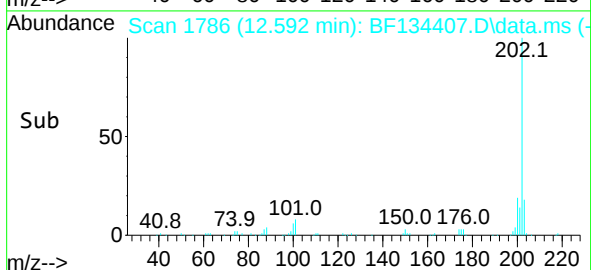
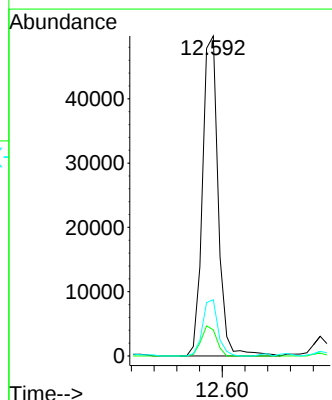
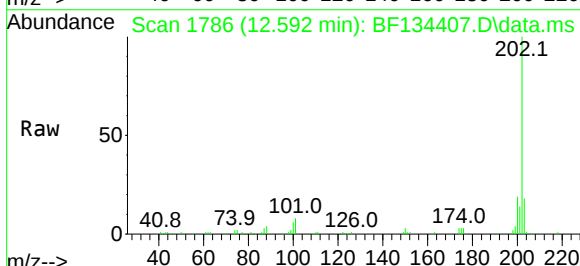
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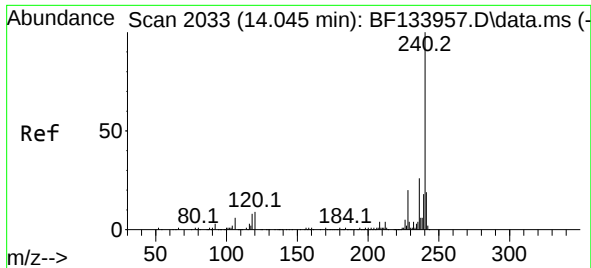
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#75
Fluoranthene
Concen: 4.218 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27

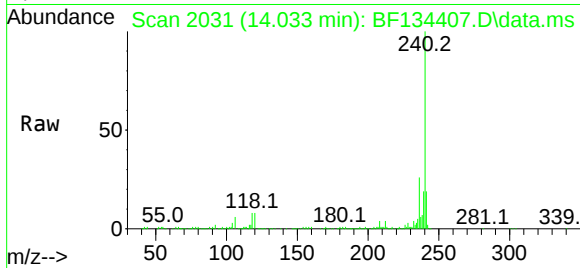
Tgt Ion:202 Resp: 47669
Ion Ratio Lower Upper
202 100
101 8.2 0.0 31.0
203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27

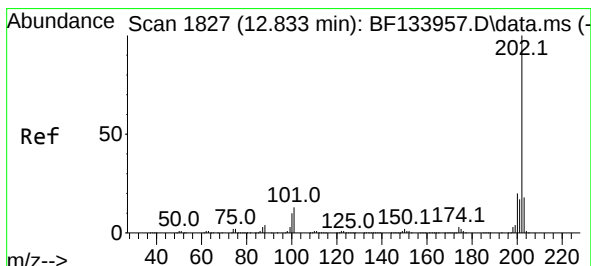
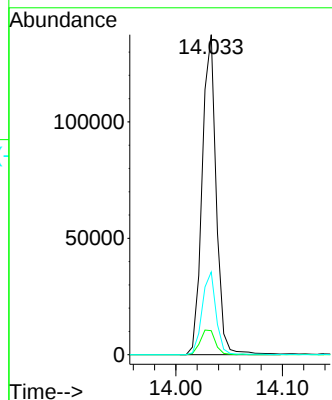
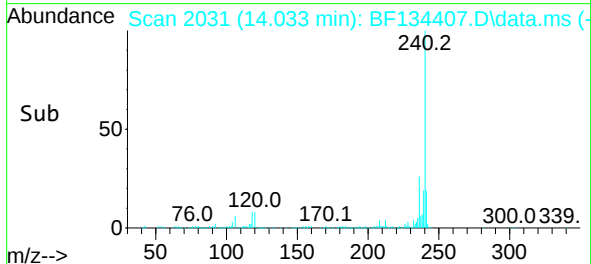
Instrument :
BNA_F
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TP2



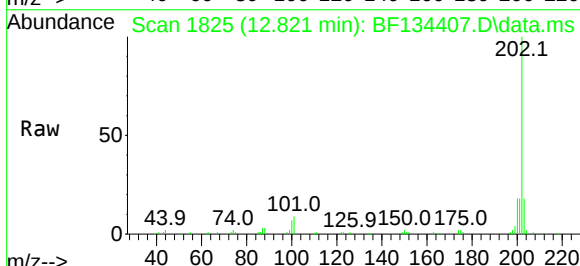
Tgt Ion:240 Resp: 126400
Ion Ratio Lower Upper
240 100
120 7.5 7.4 11.0
236 25.9 21.0 31.6

Manual Integrations
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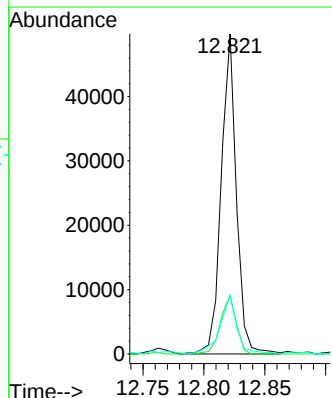
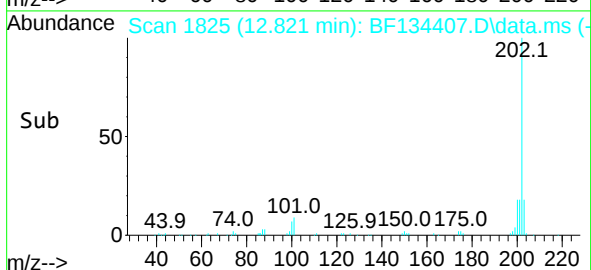
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

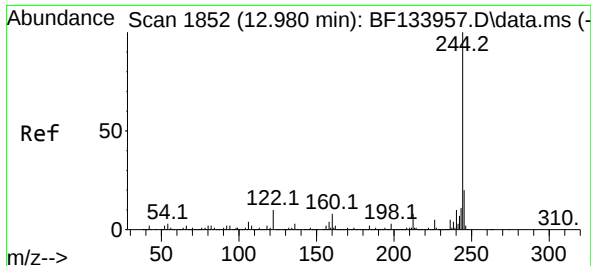


#78
Pyrene
Concen: 3.674 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27



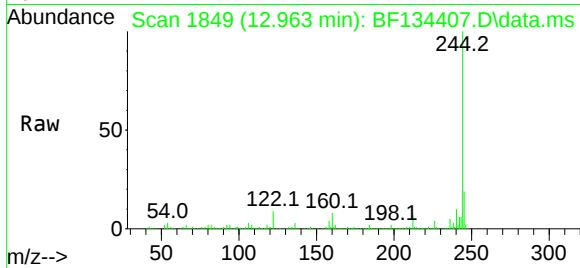
Tgt Ion:202 Resp: 43225
Ion Ratio Lower Upper
202 100
200 18.3 16.1 24.1
203 18.3 14.3 21.5





#79
 Terphenyl-d14
 Concen: 46.214 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134407.D
 Acq: 21 Jul 2023 18:27

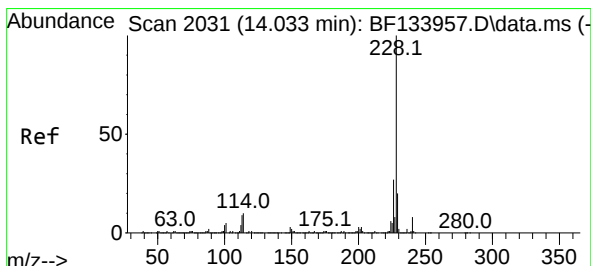
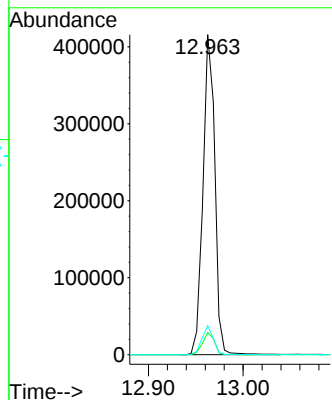
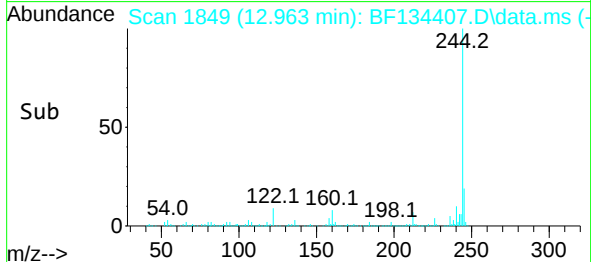
Instrument :
 BNA_F
 ClientSampleId :
 TP2



Tgt Ion:244 Resp: 36297
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.1 8.3 12.5

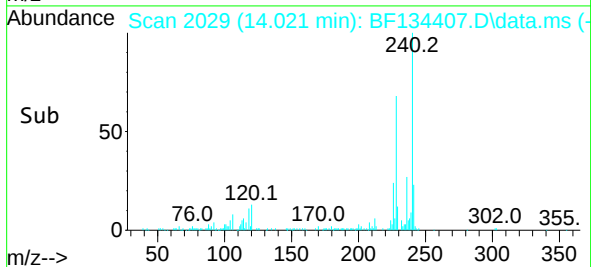
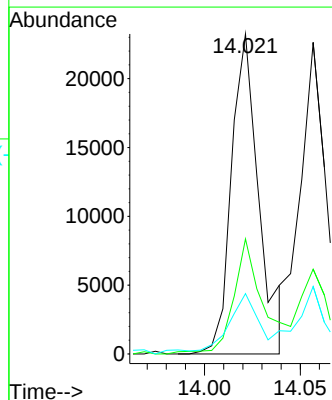
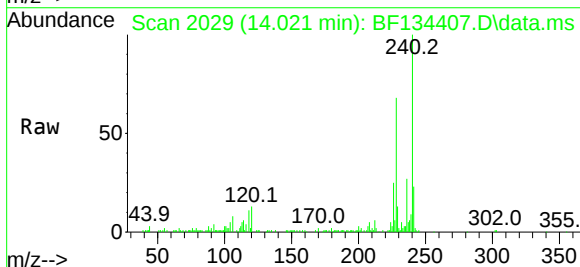
Manual Integrations
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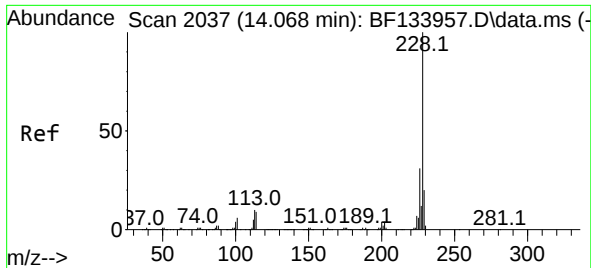
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023



#81
 Benzo(a)anthracene
 Concen: 2.657 ng m
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134407.D
 Acq: 21 Jul 2023 18:27

Tgt Ion:228 Resp: 23294
 Ion Ratio Lower Upper
 228 100
 226 35.9 22.0 33.0#
 229 18.8 16.3 24.5





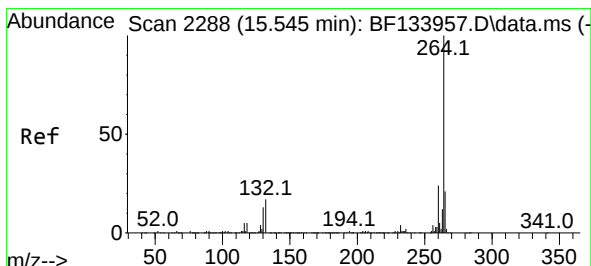
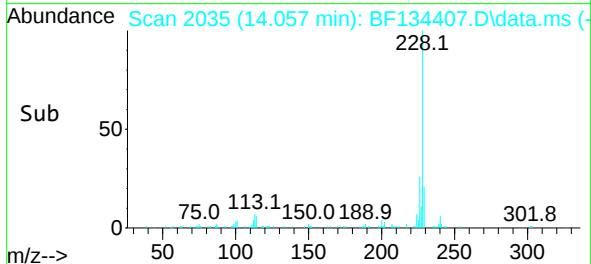
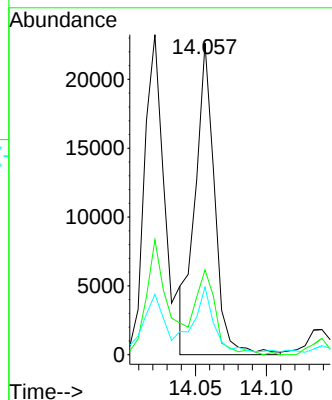
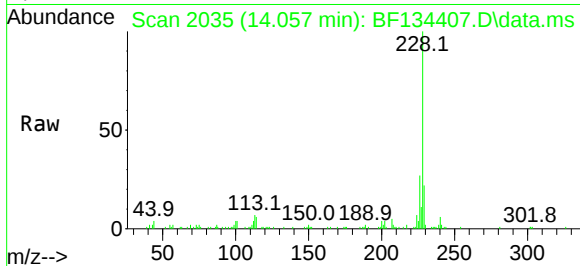
#83
Chrysene
Concen: 2.532 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27

Instrument :
BNA_F
ClientSampleId :
TP2

Tgt Ion:228 Resp: 2150
Ion Ratio Lower Upper
228 100
226 27.2 24.4 36.6
229 21.7 16.1 24.1

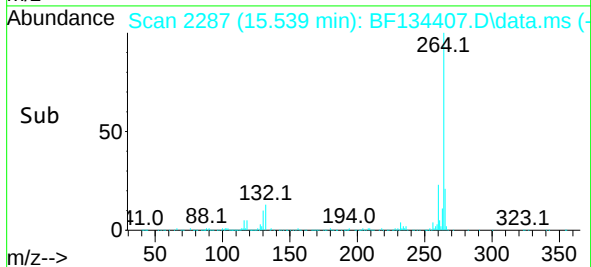
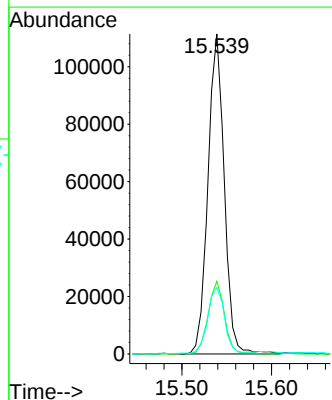
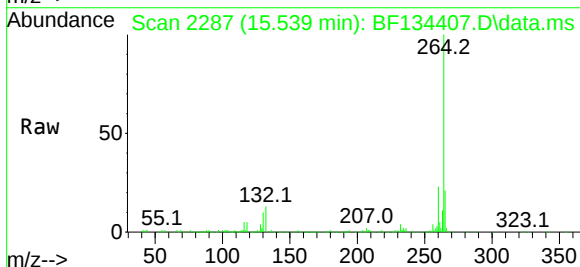
Manual Integrations
APPROVED

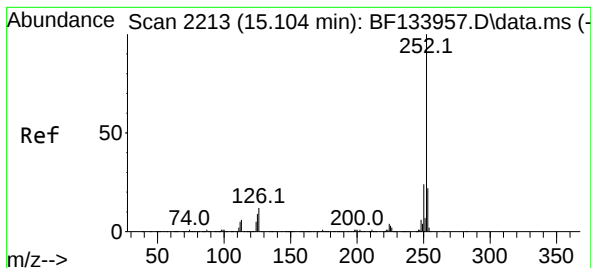
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134407.D
Acq: 21 Jul 2023 18:27

Tgt Ion:264 Resp: 140654
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 20.8 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 3.525 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134407.D

Acq: 21 Jul 2023 18:27

Instrument :

BNA_F

ClientSampleId :

TP2

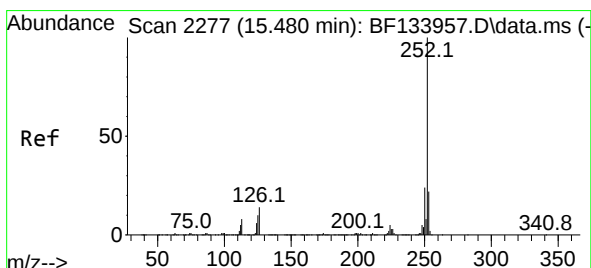
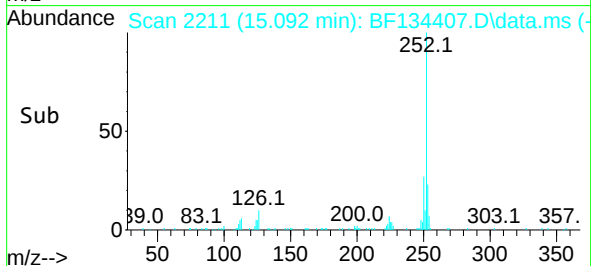
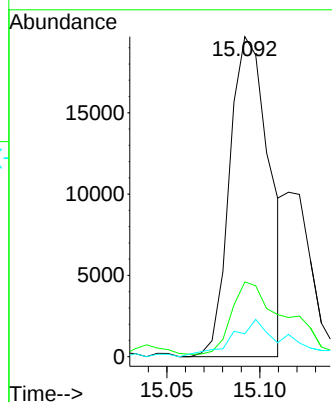
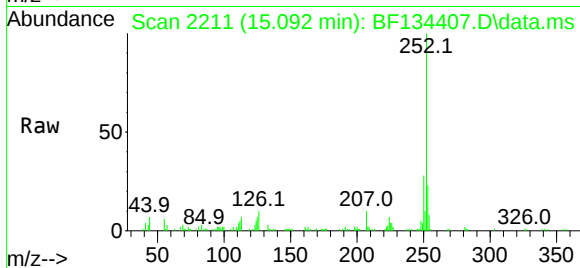
Tgt Ion:252 Resp: 29154
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.4 26.0
 125 7.1 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#90

Benzo(a)pyrene

Concen: 2.550 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.012 min

Lab File: BF134407.D

Acq: 21 Jul 2023 18:27

Tgt Ion:252 Resp: 20395
 Ion Ratio Lower Upper
 252 100
 253 20.1 17.4 26.0
 125 10.7 8.4 12.6

