

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134257.D
 Acq On : 12 Jul 2023 20:56
 Operator : CG\JU
 Sample : 03555-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023

Quant Time: Jul 12 23:24:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	88454	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	341632	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	154616	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	240848	20.000	ng	0.00
76) Chrysene-d12	14.039	240	167198	20.000	ng	0.00
86) Perylene-d12	15.545	264	138596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	384615	72.735	ng	0.00
7) Phenol-d6	6.481	99	470990	72.426	ng	0.00
23) Nitrobenzene-d5	7.404	82	325013	51.283	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	124562	64.254	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	613026	57.644	ng	0.00
79) Terphenyl-d14	12.974	244	495370	47.683	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	107154	8.838	ng	98
72) Anthracene	11.451	178	25632m	2.033	ng	
75) Fluoranthene	12.598	202	260286	19.857	ng	98
78) Pyrene	12.827	202	244346	15.703	ng	98
81) Benzo(a)anthracene	14.027	228	149635	12.905	ng	98
83) Chrysene	14.063	228	137027	12.201	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	58346	6.067	ng	# 95
88) Benzo(b)fluoranthene	15.098	252	177115m	21.733	ng	
89) Benzo(k)fluoranthene	15.127	252	44980m	5.421	ng	
90) Benzo(a)pyrene	15.480	252	101866	12.926	ng	98
91) Dibenzo(a,h)anthracene	17.104	278	16058m	2.044	ng	
92) Benzo(g,h,i)perylene	17.562	276	55054	6.796	ng	94

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

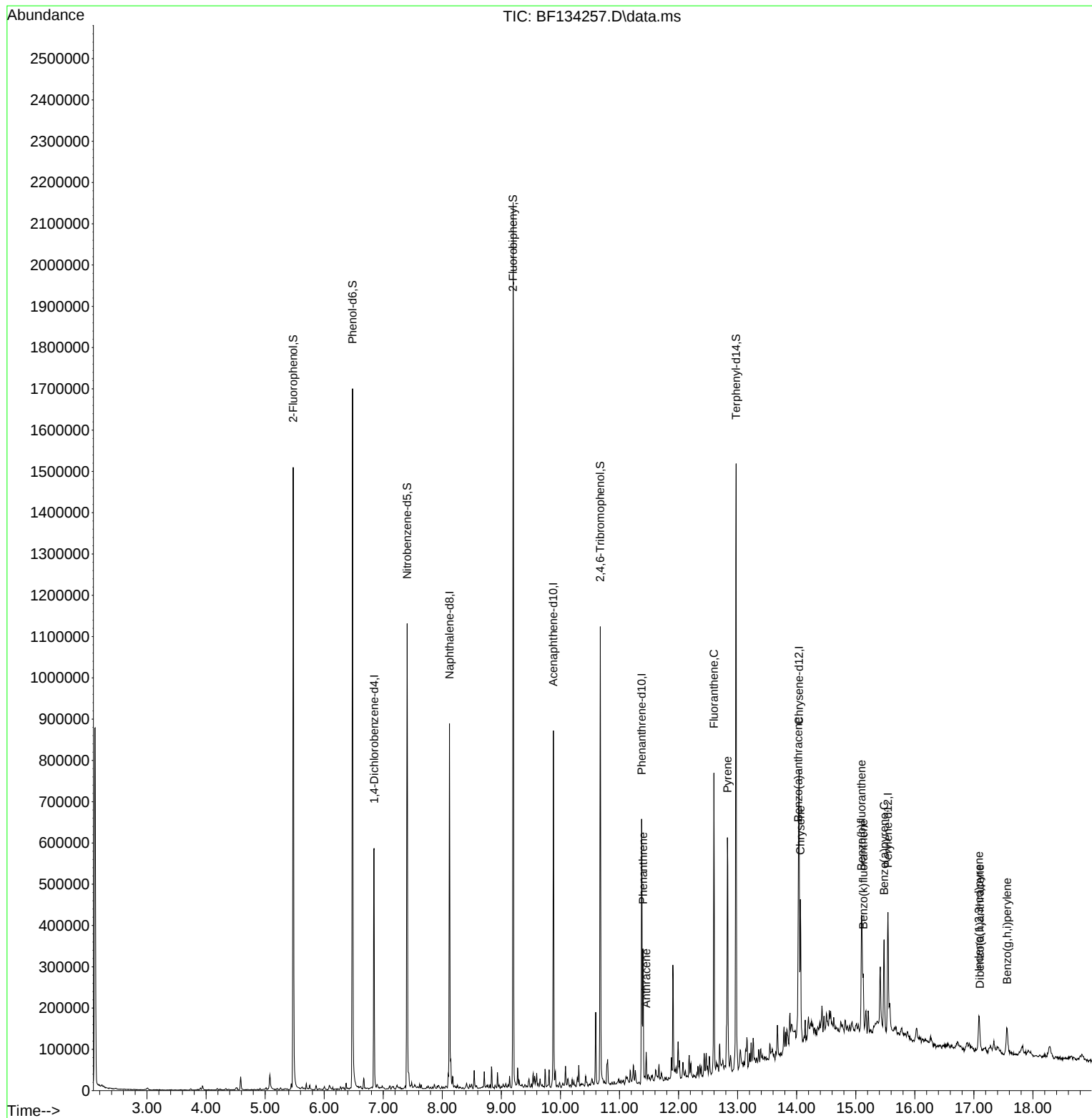
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Data File : BF134257.D
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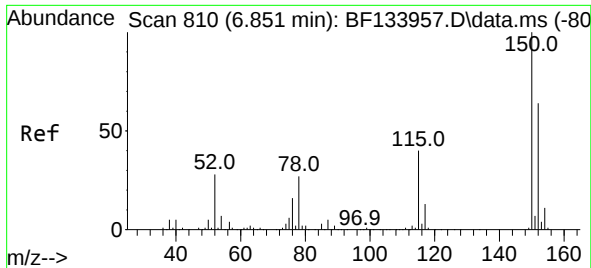
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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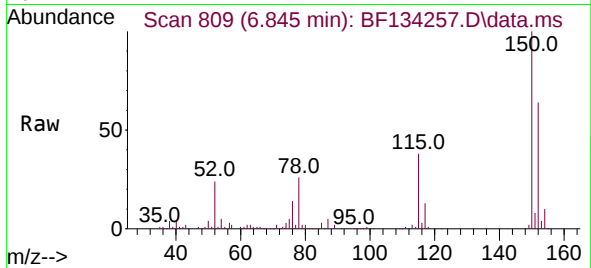
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

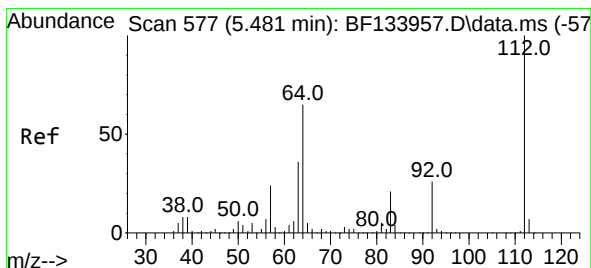
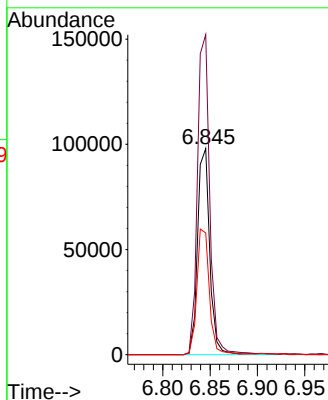
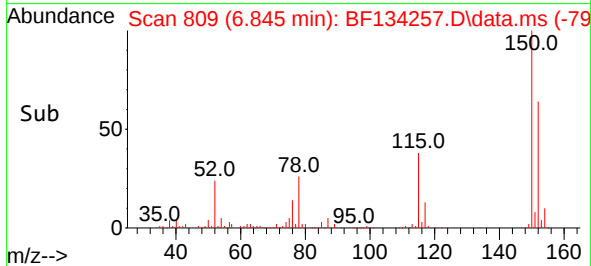
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion:152 Resp: 88454
Ion Ratio Lower Upper
152 100
150 155.3 124.5 186.7
115 59.1 50.2 75.2

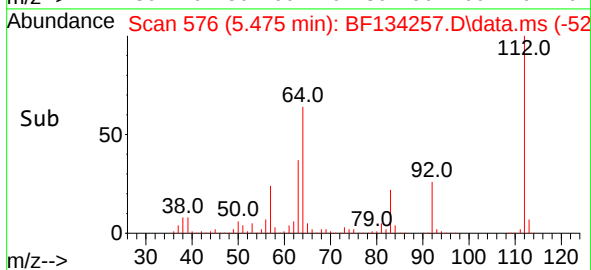
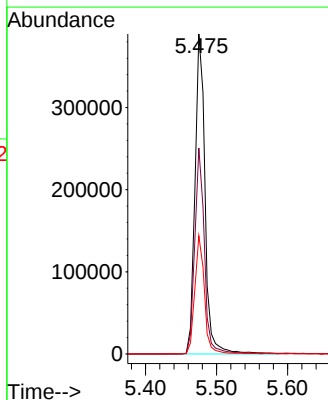
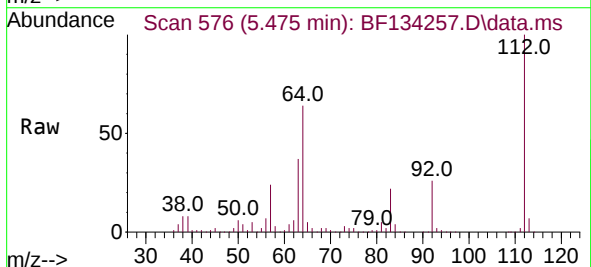
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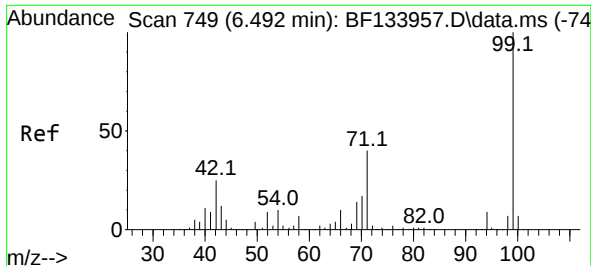
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#5
2-Fluorophenol
Concen: 72.735 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

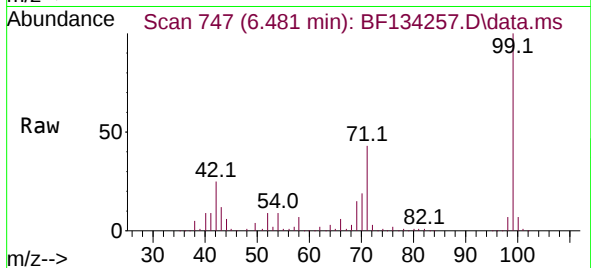
Tgt Ion:112 Resp: 384615
Ion Ratio Lower Upper
112 100
64 64.4 52.1 78.1
63 37.0 28.6 42.8





#7
Phenol-d6
Concen: 72.426 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

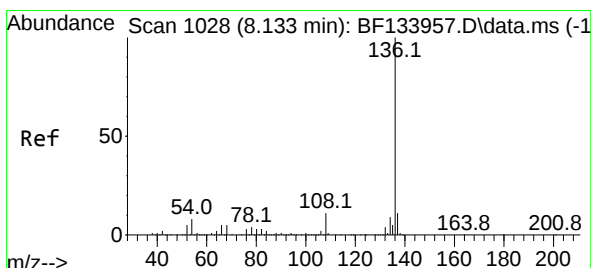
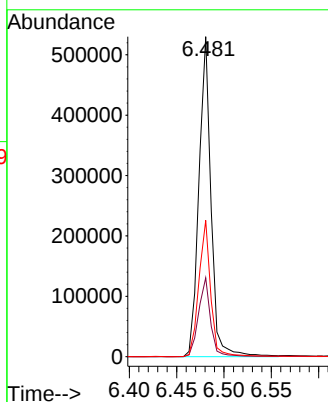
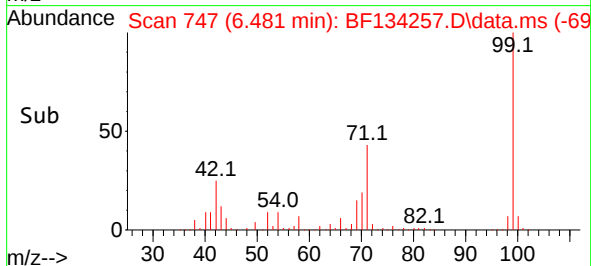
Instrument :
BNA_F
ClientSampleId :
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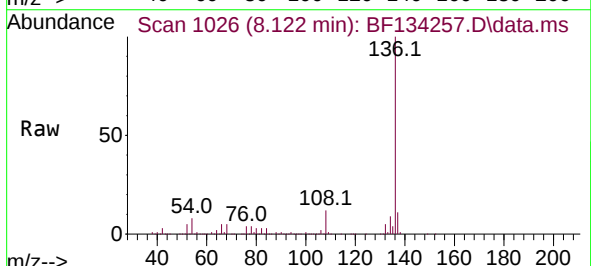
Tgt Ion: 99 Resp: 470990
Ion Ratio Lower Upper
99 100
42 24.6 19.8 29.6
71 42.6 31.9 47.9

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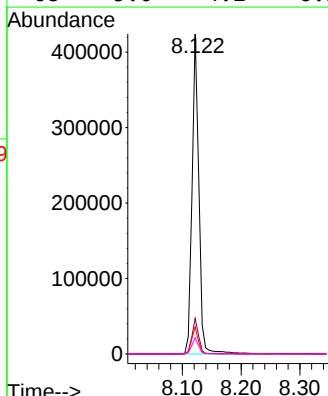
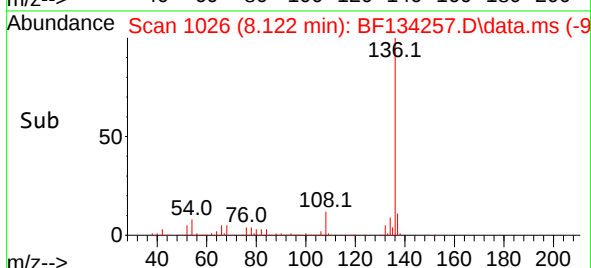
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

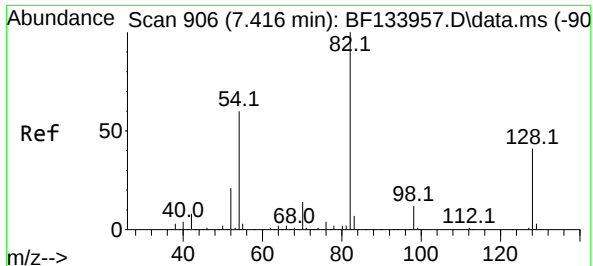


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56



Tgt Ion:136 Resp: 341632
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.5 6.5 9.7
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 51.283 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134257.D

Acq: 12 Jul 2023 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion: 82 Resp: 32501

Ion Ratio Lower Upper

82 100

128 41.8 32.5 48.7

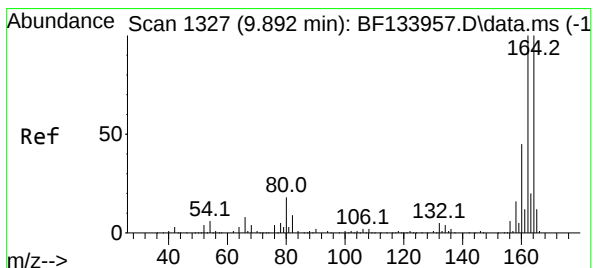
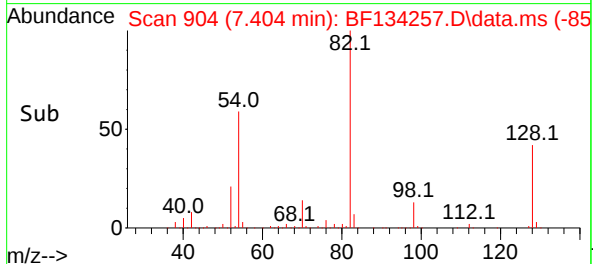
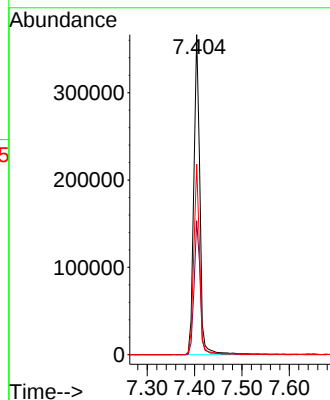
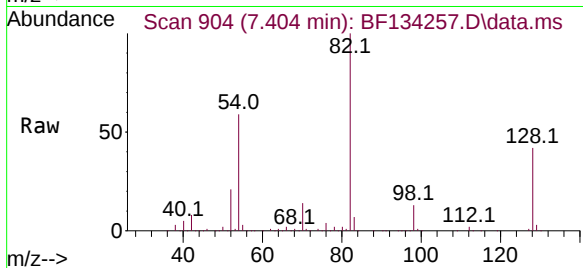
54 59.5 48.2 72.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.006 min

Lab File: BF134257.D

Acq: 12 Jul 2023 20:56

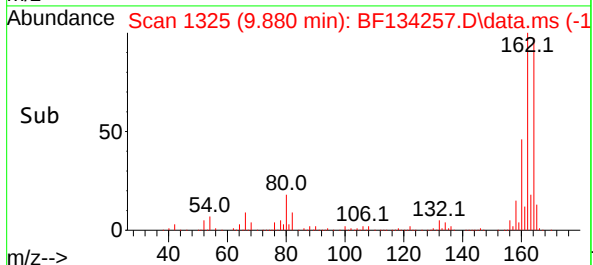
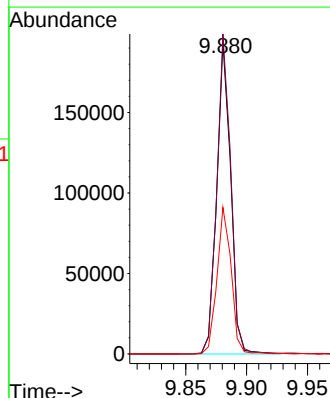
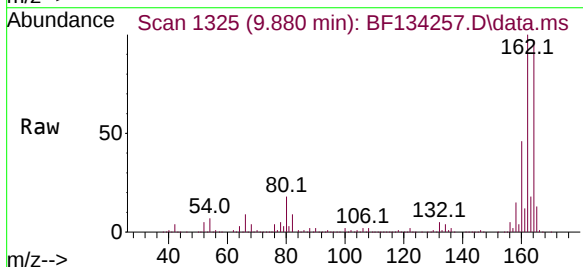
Tgt Ion:164 Resp: 154616

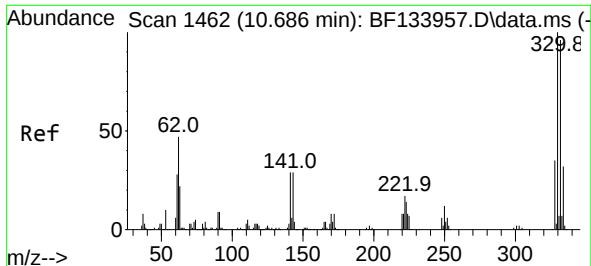
Ion Ratio Lower Upper

164 100

162 102.8 80.0 120.0

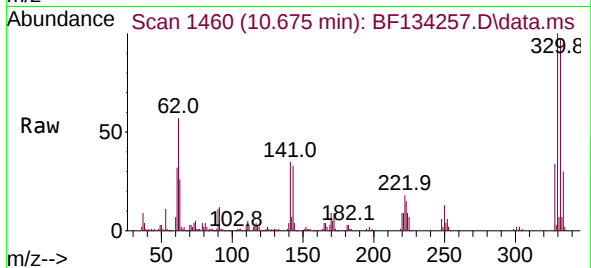
160 47.1 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 64.254 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

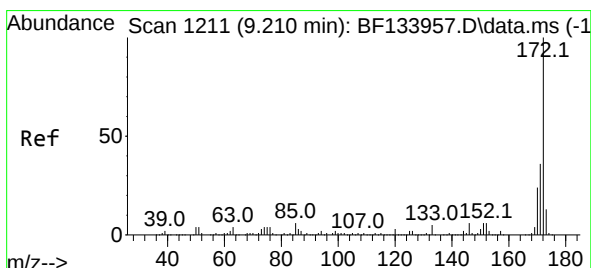
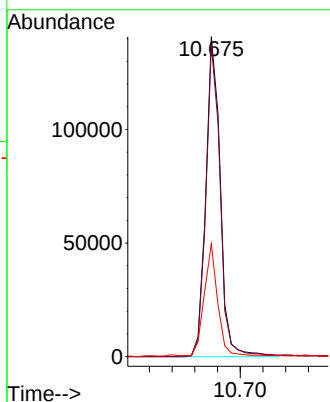
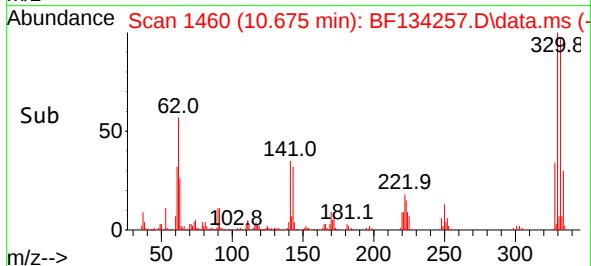
Instrument :
BNA_F
ClientSampleId :
VNJ-240



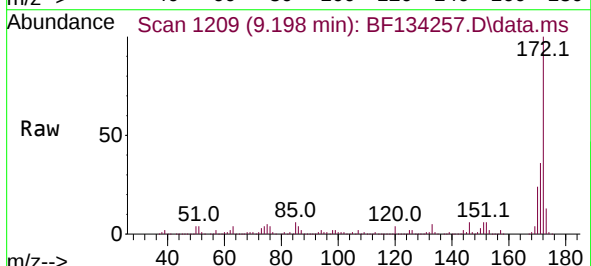
Tgt Ion: 330 Resp: 124562
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 32.5 26.3 39.5

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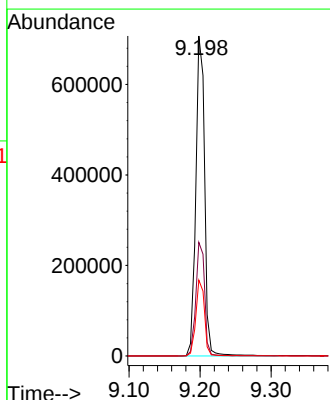
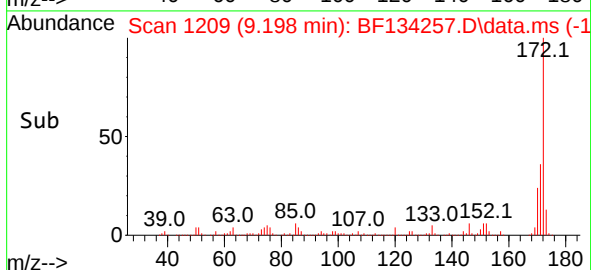
Reviewed By : Yogesh Patel 07/13/2023
Supervised By : mohammad ahmed 07/13/2023

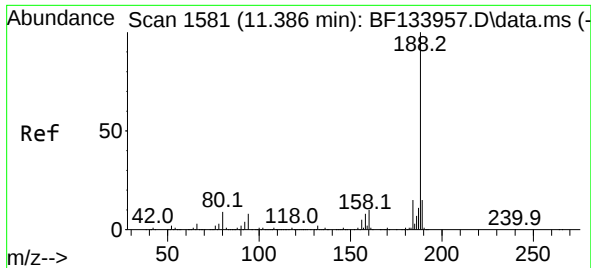


#45
2-Fluorobiphenyl
Concen: 57.644 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56



Tgt Ion: 172 Resp: 613026
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.7 19.4 29.0





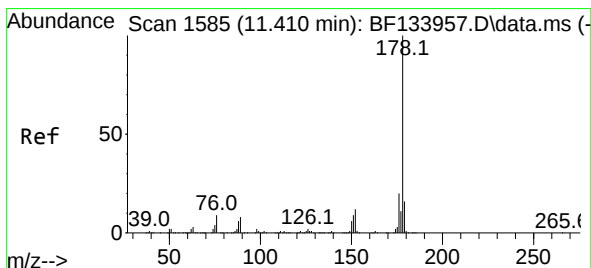
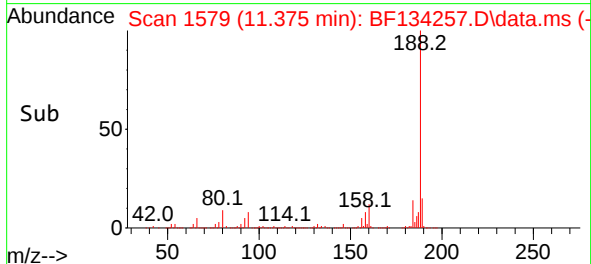
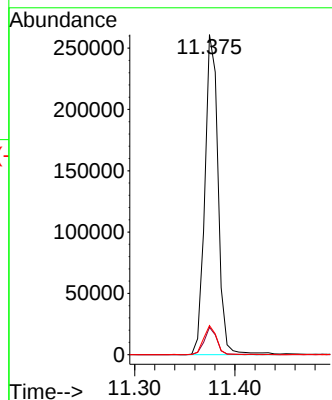
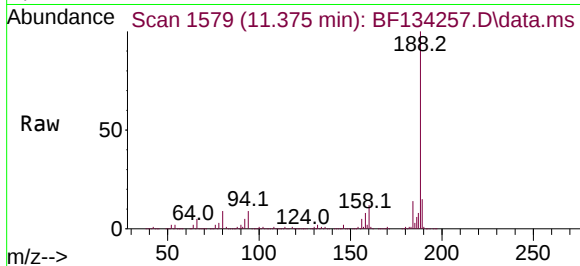
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion:188 Resp: 240848
Ion Ratio Lower Upper
188 100
94 8.5 6.4 9.6
80 9.1 7.3 10.9

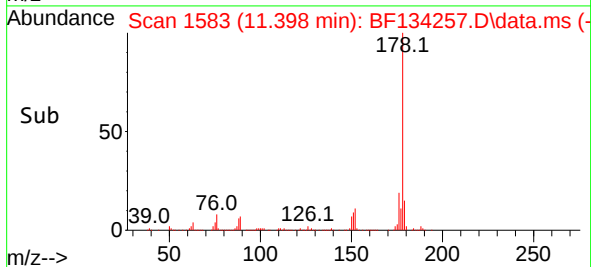
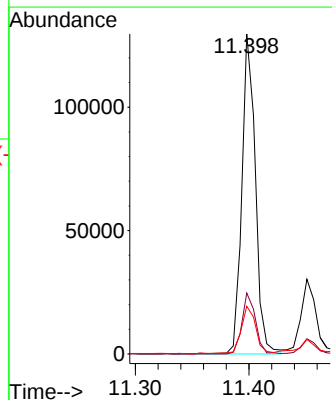
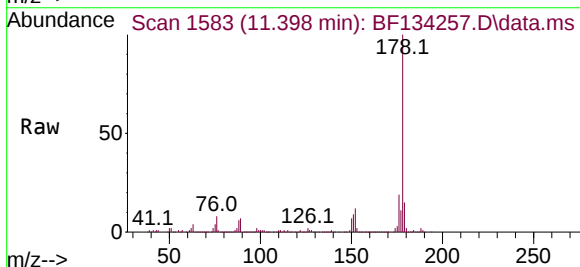
Manual Integrations
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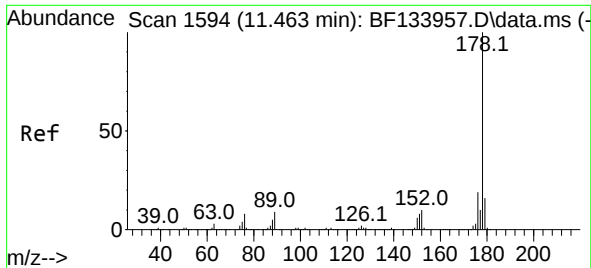
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#71
Phenanthrene
Concen: 8.838 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

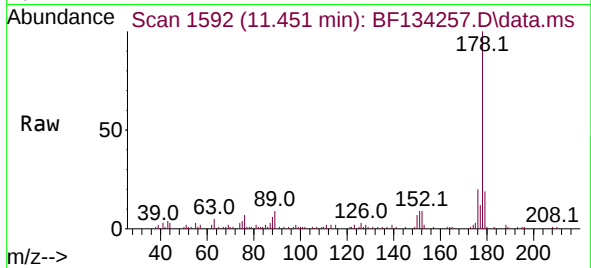
Tgt Ion:178 Resp: 107154
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.9 12.4 18.6





#72
 Anthracene
 Concen: 2.033 ng m
 RT: 11.451 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF134257.D
 Acq: 12 Jul 2023 20:56

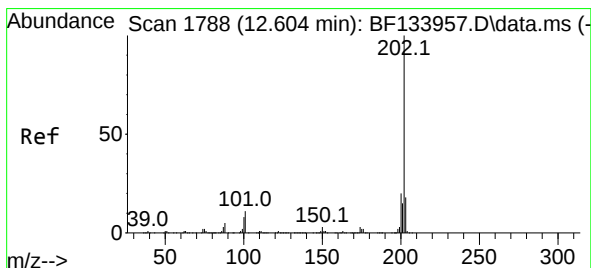
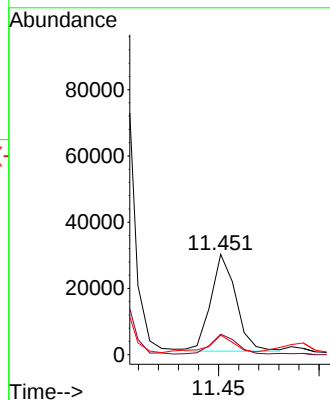
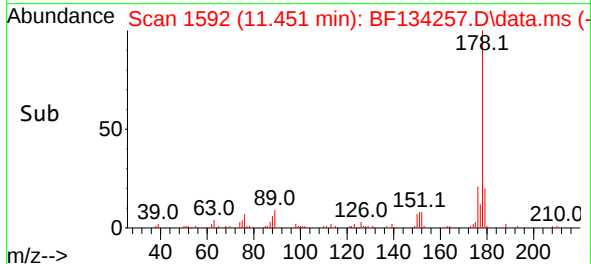
Instrument :
 BNA_F
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 VNJ-240



Tgt Ion:178 Resp: 25632
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.3 22.9
 179 19.4 12.4 18.6

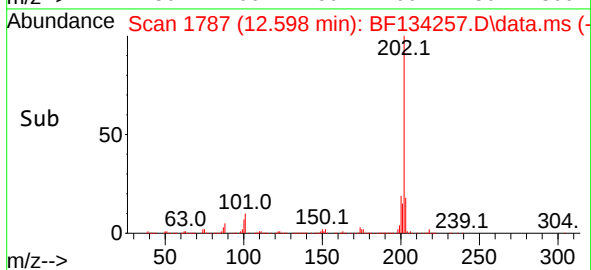
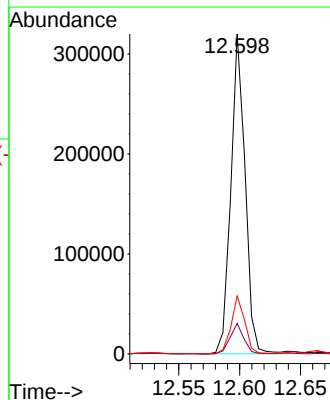
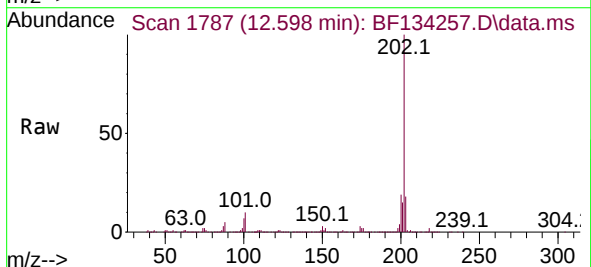
Manual Integrations
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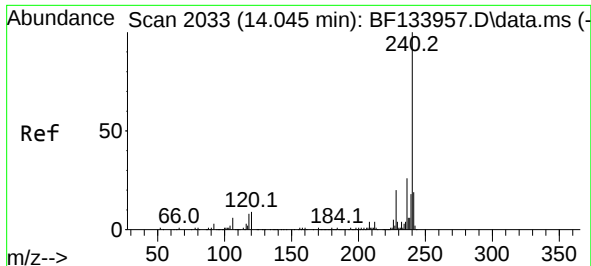
Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023



#75
 Fluoranthene
 Concen: 19.857 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.006 min
 Lab File: BF134257.D
 Acq: 12 Jul 2023 20:56

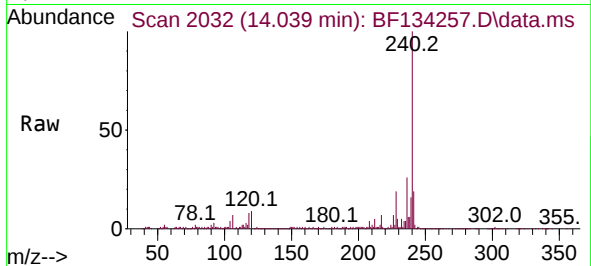
Tgt Ion:202 Resp: 260286
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.0
 203 18.1 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

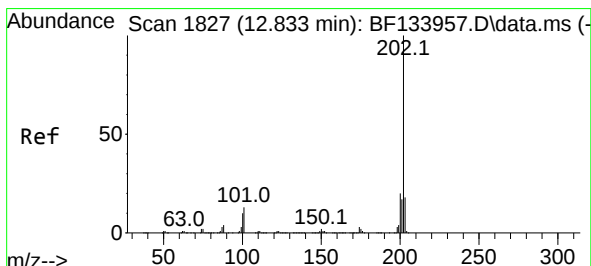
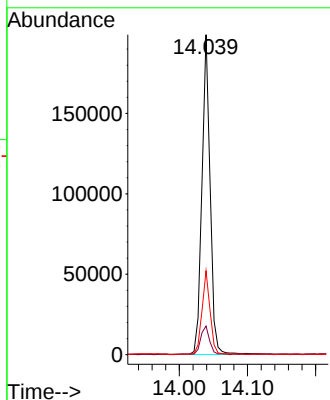
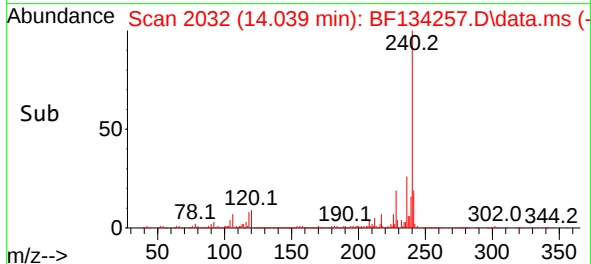
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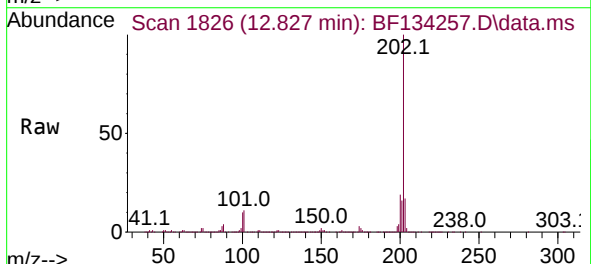
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Ion Ratio Lower Upper
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120 9.0 7.4 11.0
236 26.2 21.0 31.6

Manual Integrations
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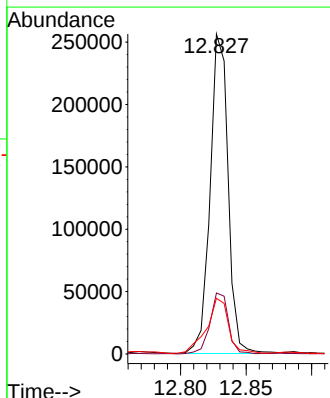
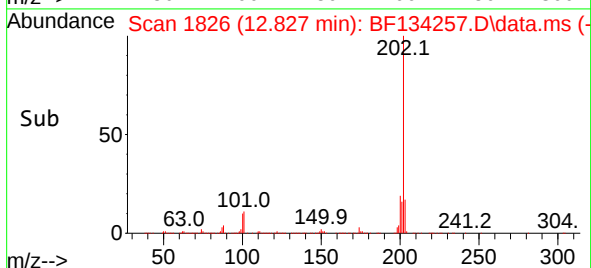
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

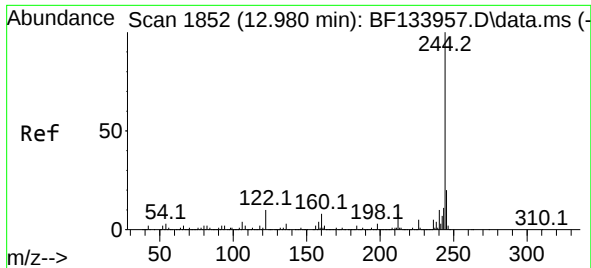


#78
Pyrene
Concen: 15.703 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56



Tgt Ion:202 Resp: 244346
Ion Ratio Lower Upper
202 100
200 19.1 16.1 24.1
203 17.4 14.3 21.5





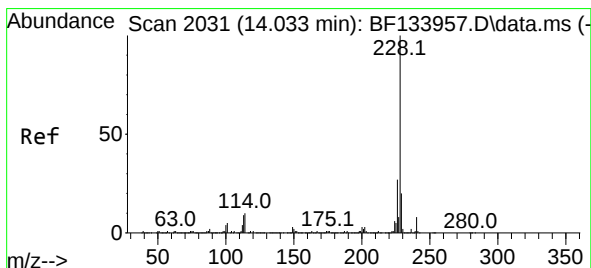
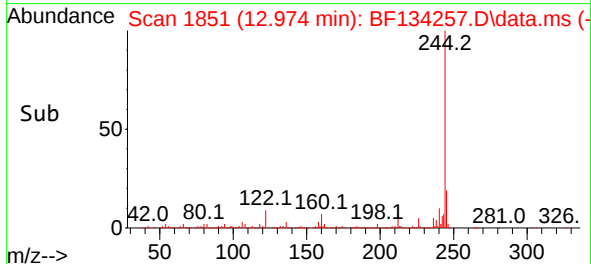
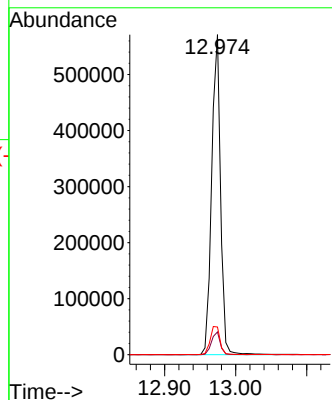
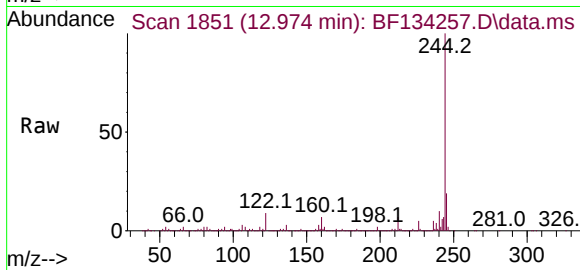
#79
 Terphenyl-d14
 Concen: 47.683 ng
 RT: 12.974 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF134257.D
 Acq: 12 Jul 2023 20:56

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Tgt Ion:244 Resp: 495370
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.7 8.3 12.5

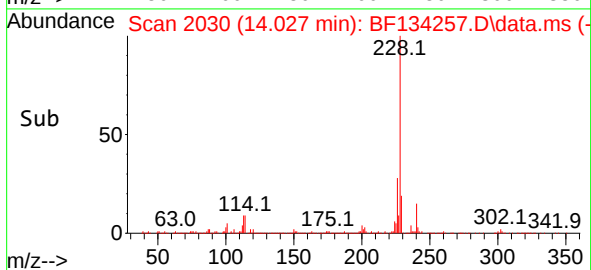
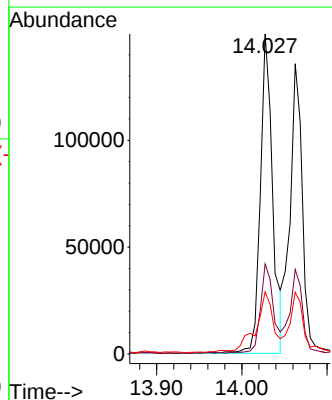
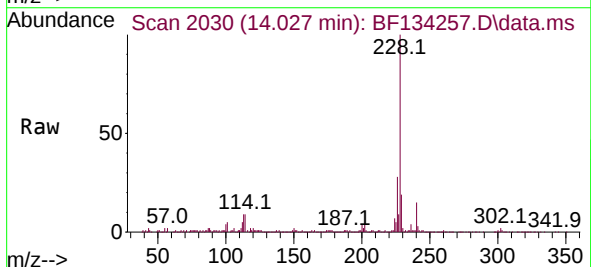
Manual Integrations
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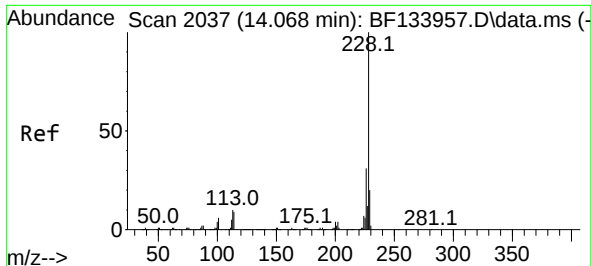
Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023



#81
 Benzo(a)anthracene
 Concen: 12.905 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF134257.D
 Acq: 12 Jul 2023 20:56

Tgt Ion:228 Resp: 149635
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.0 33.0
 229 19.4 16.3 24.5





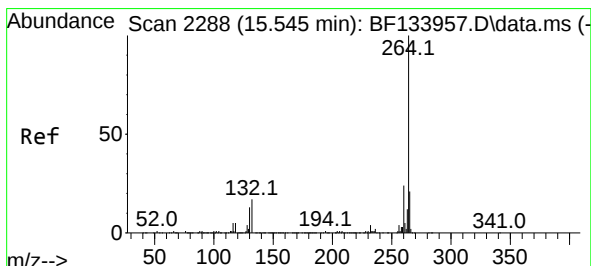
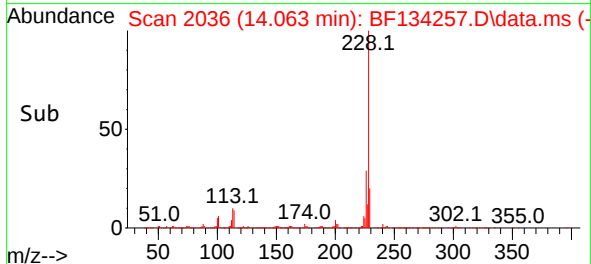
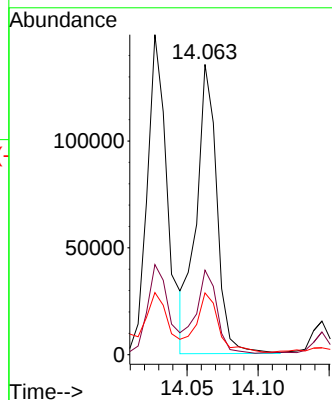
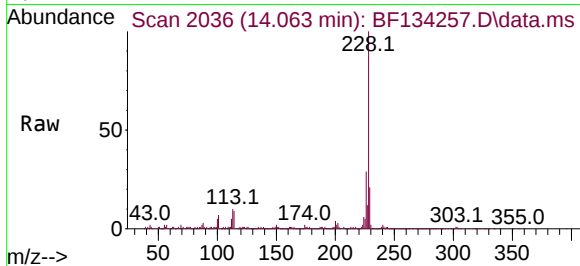
#83
Chrysene
Concen: 12.201 ng
RT: 14.063 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion:228 Resp: 13702
Ion Ratio Lower Upper
228 100
226 29.1 24.4 36.6
229 21.3 16.1 24.1

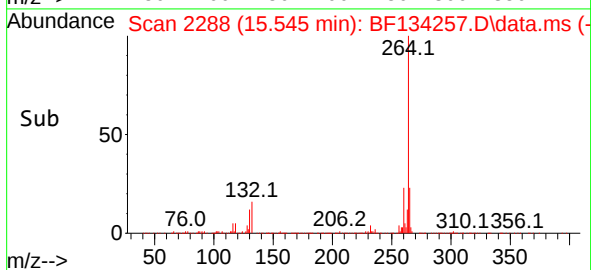
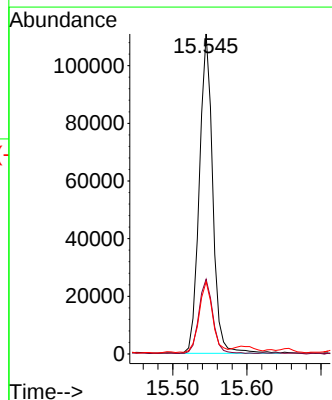
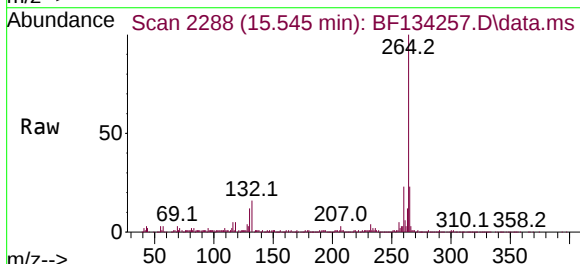
Manual Integrations
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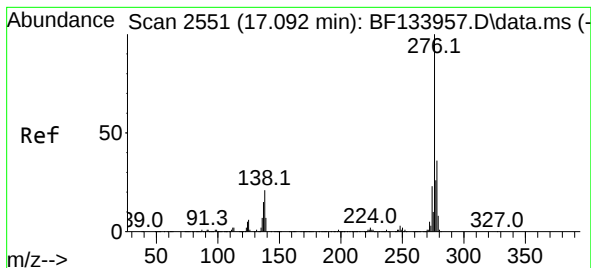
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

Tgt Ion:264 Resp: 138596
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 22.5 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.067 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134257.D

Acq: 12 Jul 2023 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-240

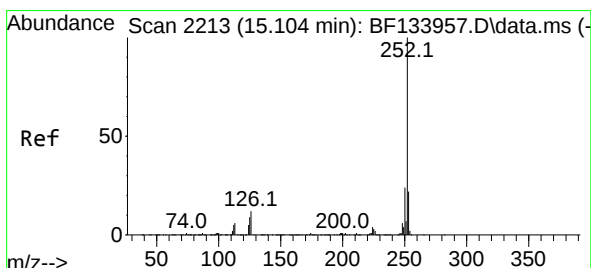
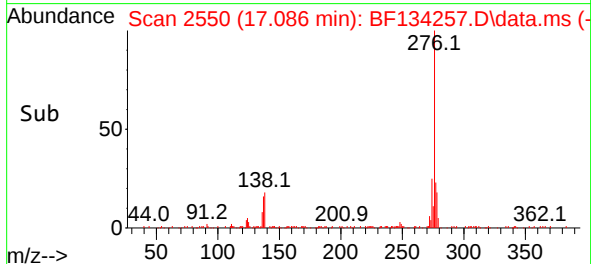
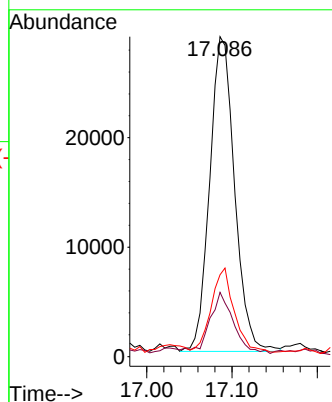
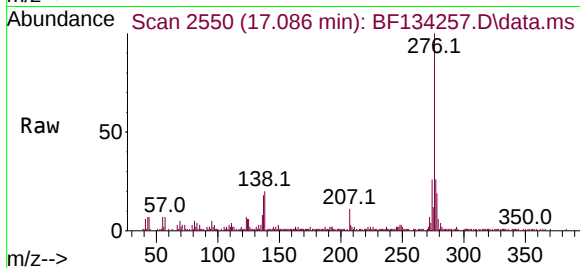
Tgt Ion:	276	Resp:	58340
Ion Ratio	Lower	Upper	
276	100		
138	18.3	18.7	28.1
277	24.7	19.9	29.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023



#88

Benzo(b)fluoranthene

Concen: 21.733 ng m

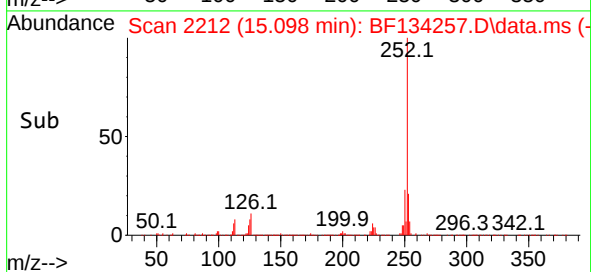
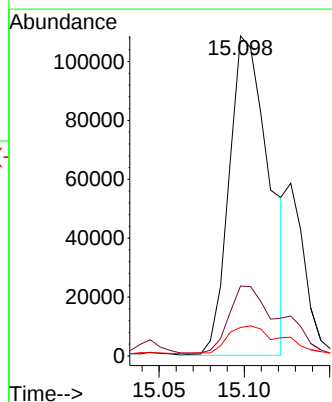
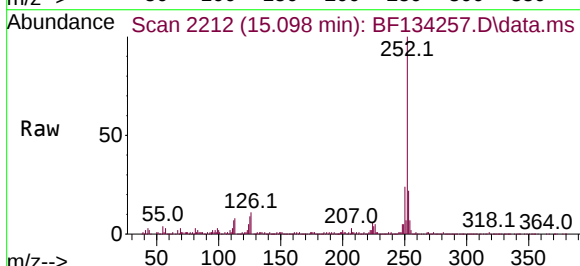
RT: 15.098 min Scan# 2212

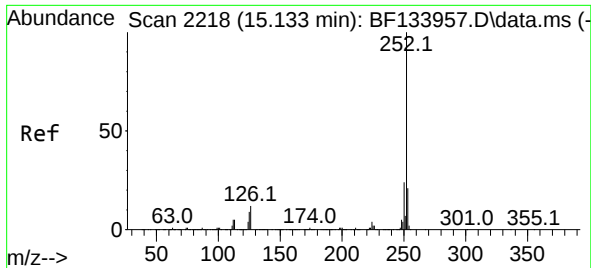
Delta R.T. -0.006 min

Lab File: BF134257.D

Acq: 12 Jul 2023 20:56

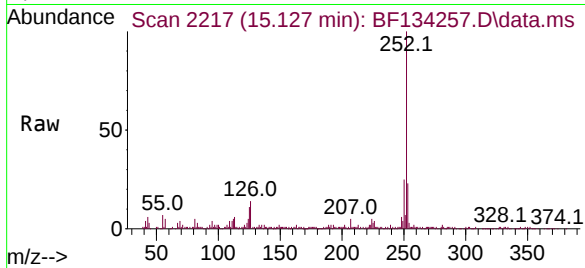
Tgt Ion:	252	Resp:	177115
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.4	26.0
125	8.9	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 5.421 ng m
RT: 15.127 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

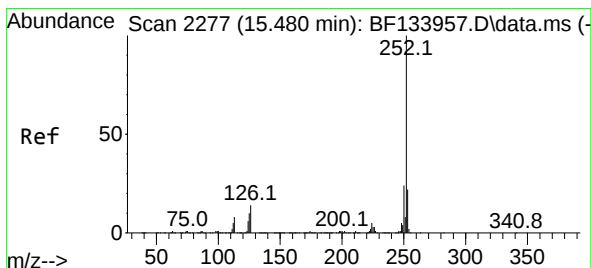
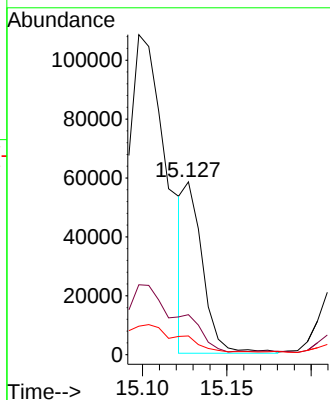
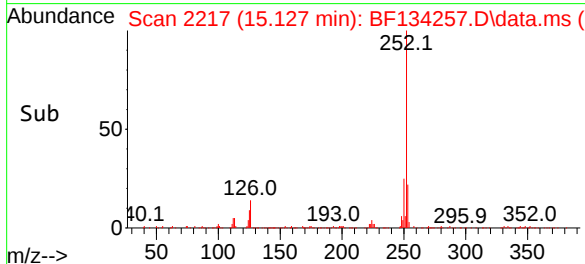
Instrument :
BNA_F
ClientSampleId :
VNJ-240



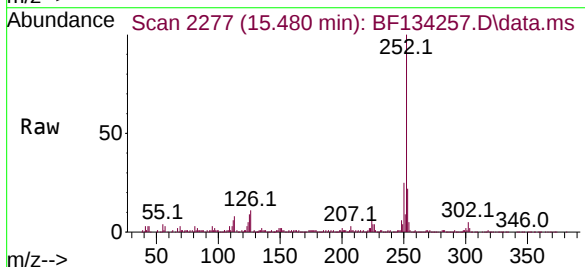
Tgt Ion:252 Resp: 44980
Ion Ratio Lower Upper
252 100
253 23.2 16.9 25.3
125 10.8 7.4 11.2

Manual Integrations
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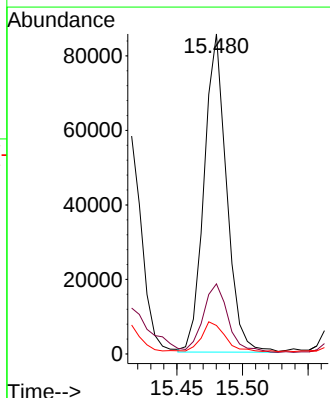
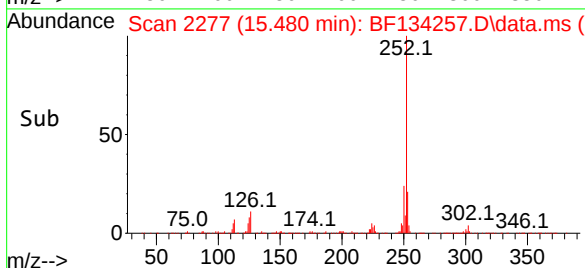
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

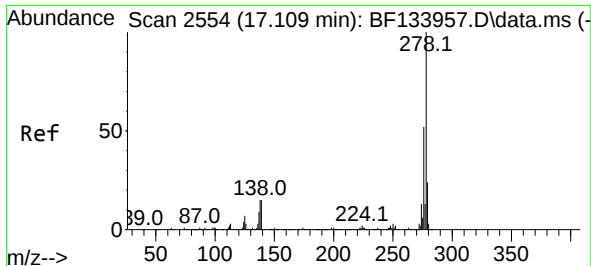


#90
Benzo(a)pyrene
Concen: 12.926 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56



Tgt Ion:252 Resp: 101866
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 8.9 8.4 12.6





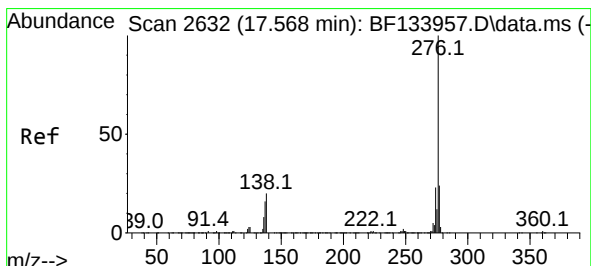
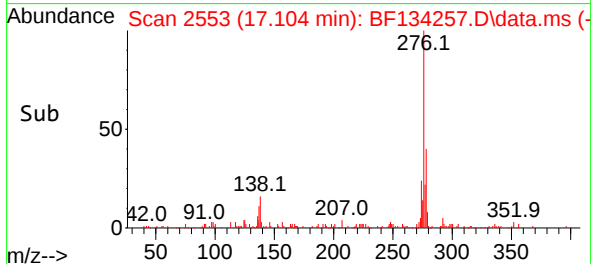
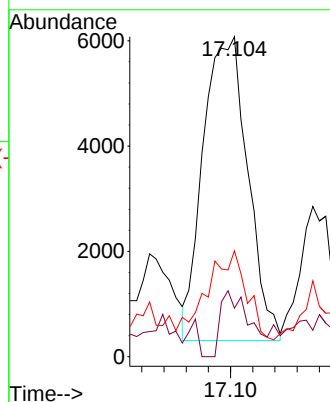
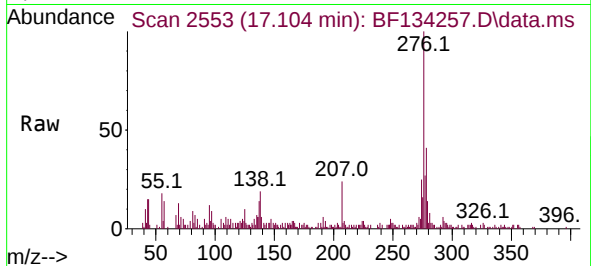
#91
Dibenzo(a,h)anthracene
Concen: 2.044 ng m
RT: 17.104 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion:278 Resp: 16058
Ion Ratio Lower Upper
278 100
139 15.2 12.2 18.4
279 33.1 19.4 29.2

Manual Integrations
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Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#92
Benzo(g,h,i)perylene
Concen: 6.796 ng
RT: 17.562 min Scan# 2631
Delta R.T. -0.006 min
Lab File: BF134257.D
Acq: 12 Jul 2023 20:56

Tgt Ion:276 Resp: 55054
Ion Ratio Lower Upper
276 100
277 26.0 19.0 28.6
138 16.9 16.2 24.2

