

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134065.D
 Acq On : 30 Jun 2023 22:26
 Operator : CG\JU
 Sample : 03471-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-232

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/07/2023

Quant Time: Jul 01 04:33:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	103988	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	397942	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	196514	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	335901	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	188678	20.000	ng	-0.01
86) Perylene-d12	15.545	264	200517	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	618798	99.541	ng	0.00
7) Phenol-d6	6.481	99	755303	98.796	ng	-0.01
23) Nitrobenzene-d5	7.410	82	520524	70.510	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	201091	81.615	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	954806	70.641	ng	0.00
79) Terphenyl-d14	12.974	244	728156	62.112	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	333239	19.707	ng	98
72) Anthracene	11.451	178	40722	2.315	ng	98
75) Fluoranthene	12.598	202	485468	26.556	ng	99
78) Pyrene	12.827	202	444456	25.312	ng	100
81) Benzo(a)anthracene	14.027	228	196571	15.022	ng	96
83) Chrysene	14.062	228	198727	15.680	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	85336	6.133	ng	97
88) Benzo(b)fluoranthene	15.098	252	248846m	21.106	ng	
89) Benzo(k)fluoranthene	15.127	252	84886m	7.071	ng	
90) Benzo(a)pyrene	15.474	252	172411	15.122	ng	97
91) Dibenzo(a,h)anthracene	17.098	278	22966	2.021	ng	94
92) Benzo(g,h,i)perylene	17.550	276	80577	6.875	ng	98

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

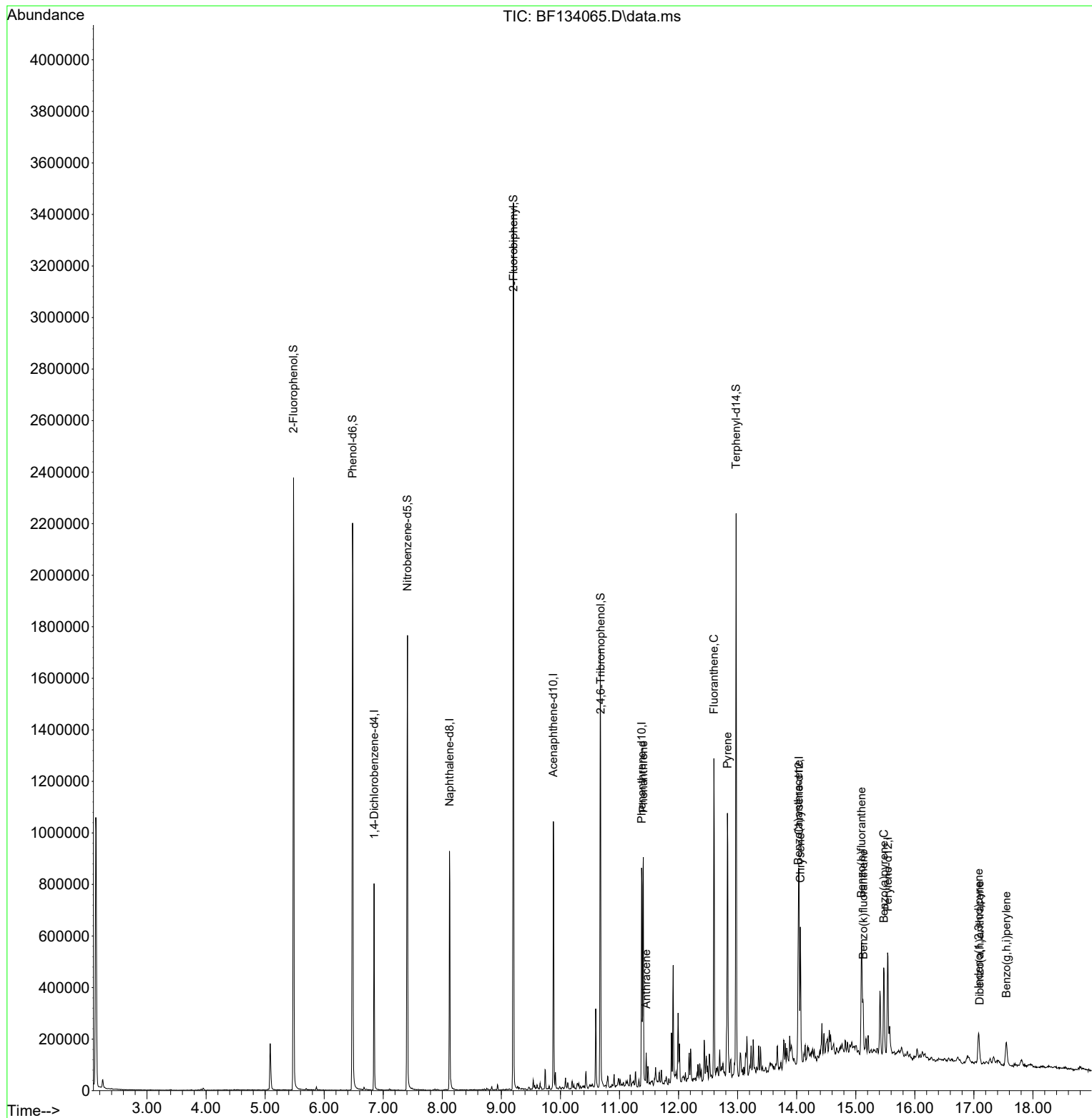
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
Data File : BF134065.D
Acq On : 30 Jun 2023 22:26
Operator : CG\JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

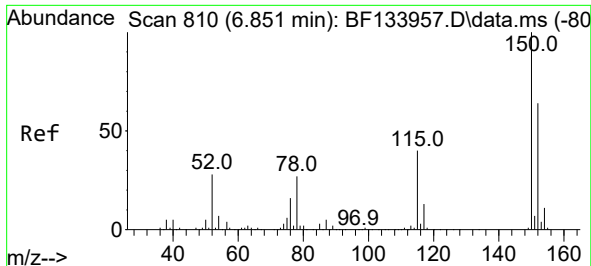
Instrument :
BNA_F
ClientSampleId :
VNJ-232

Quant Time: Jul 01 04:33:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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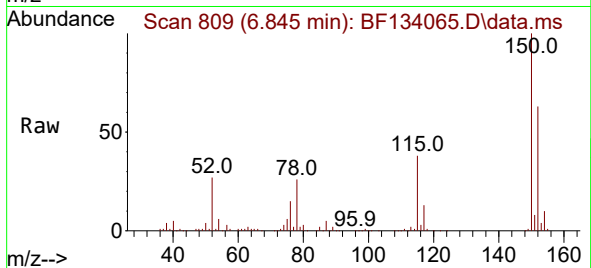
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

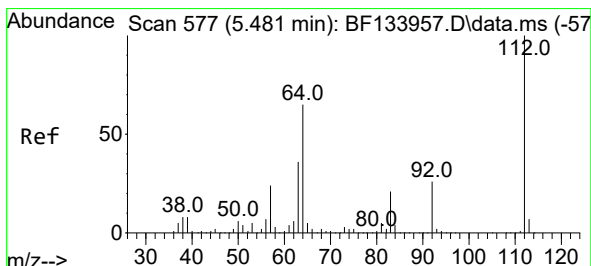
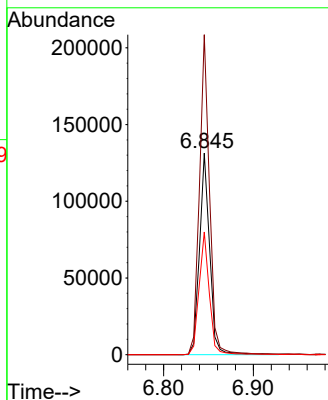
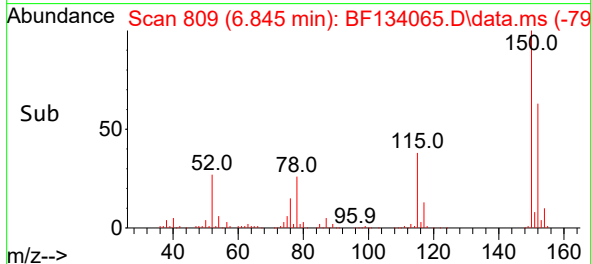
Instrument :
BNA_F
ClientSampleId :
VNJ-232



Tgt Ion:152 Resp: 103988
Ion Ratio Lower Upper
152 100
150 158.7 124.5 186.7
115 60.9 50.2 75.2

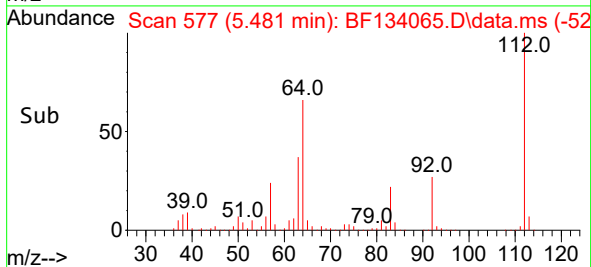
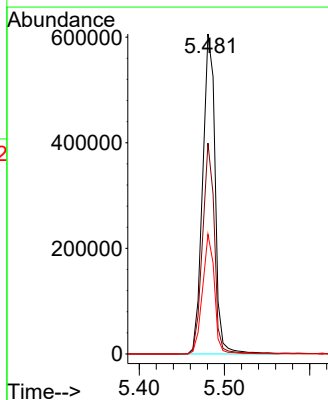
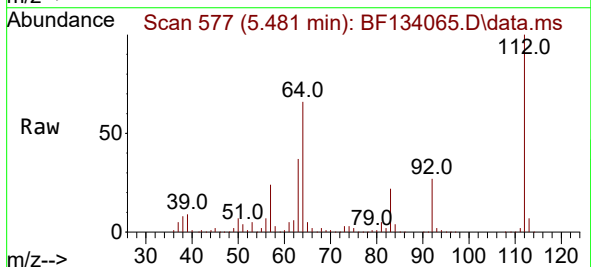
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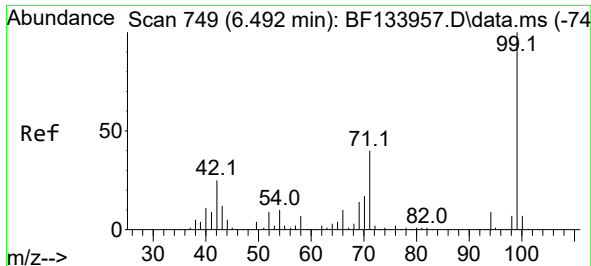
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#5
2-Fluorophenol
Concen: 99.541 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

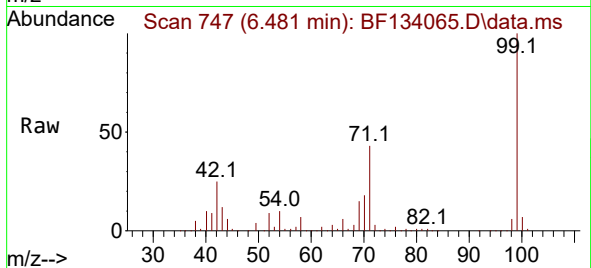
Tgt Ion:112 Resp: 618798
Ion Ratio Lower Upper
112 100
64 65.9 52.1 78.1
63 37.4 28.6 42.8





#7
Phenol-d6
Concen: 98.796 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

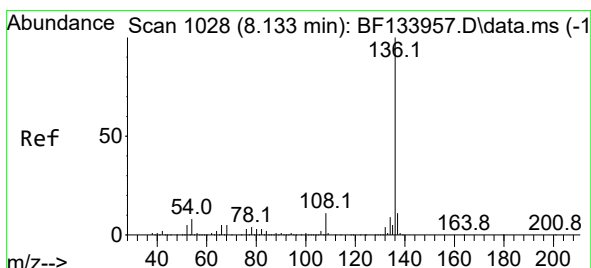
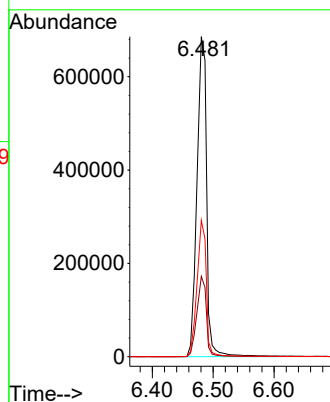
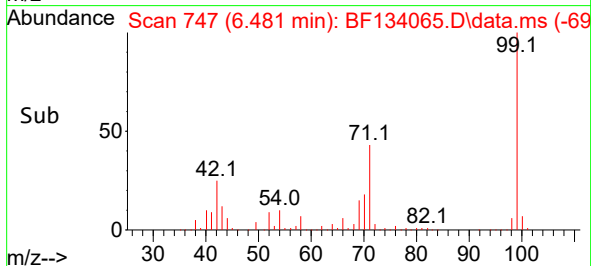
Instrument :
BNA_F
ClientSampleId :
VNJ-232



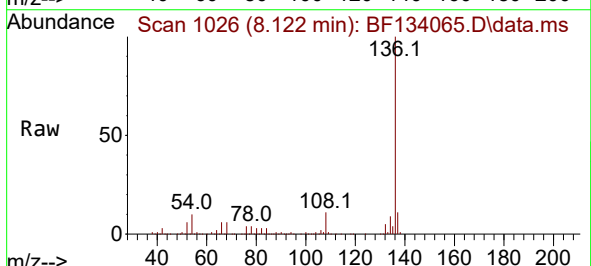
Tgt Ion: 99 Resp: 75530
Ion Ratio Lower Upper
99 100
42 25.1 19.8 29.6
71 42.6 31.9 47.9

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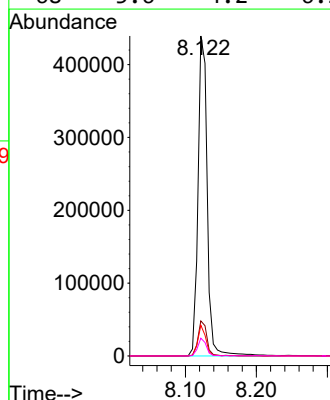
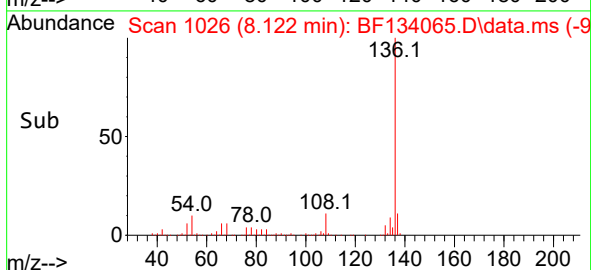
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

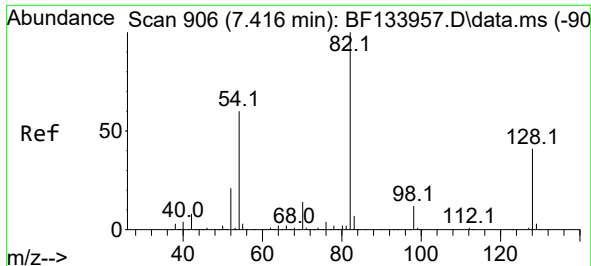


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26



Tgt Ion:136 Resp: 397942
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.6 6.5 9.7
68 5.6 4.2 6.2





#23

Nitrobenzene-d5

Concen: 70.510 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Instrument :

BNA_F

ClientSampleId :

VNJ-232

Tgt Ion: 82 Resp: 520524

Ion Ratio Lower Upper

82 100

128 41.6 32.5 48.7

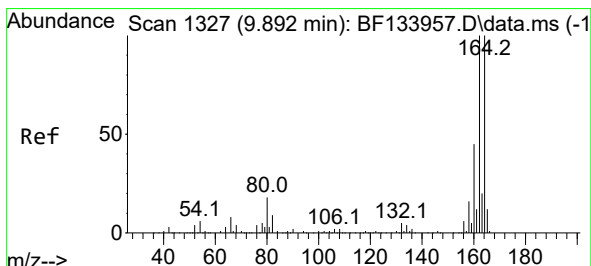
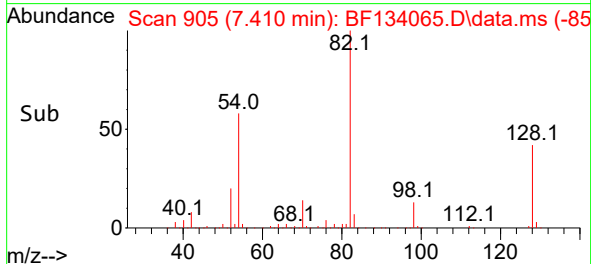
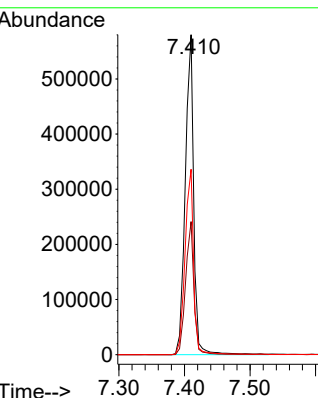
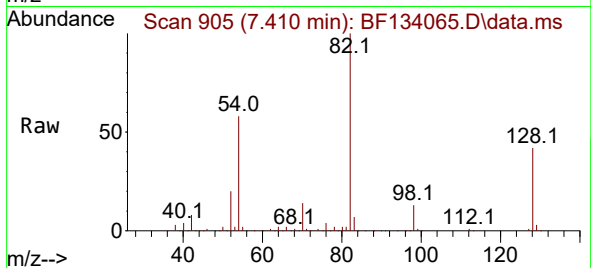
54 58.0 48.2 72.2

Manual Integrations

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Supervised By :mohammad ahmed 07/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.012 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

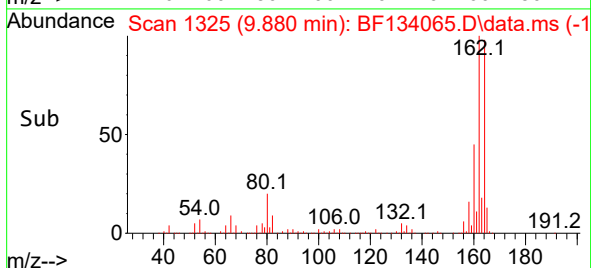
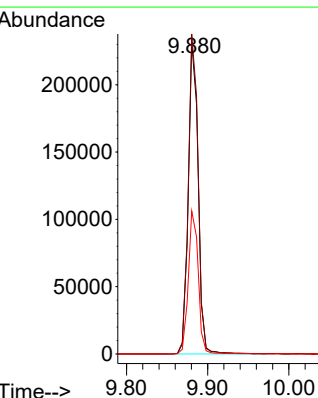
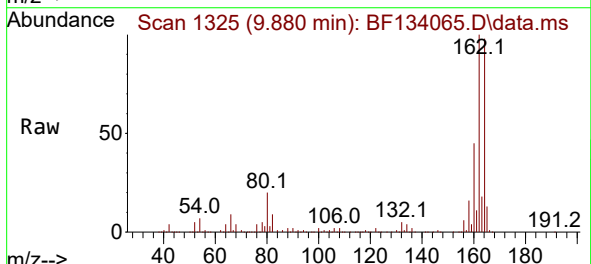
Tgt Ion:164 Resp: 196514

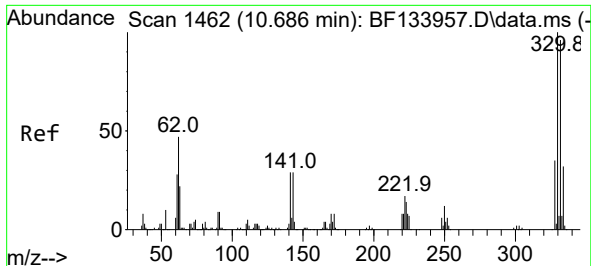
Ion Ratio Lower Upper

164 100

162 102.5 80.0 120.0

160 45.8 35.9 53.9





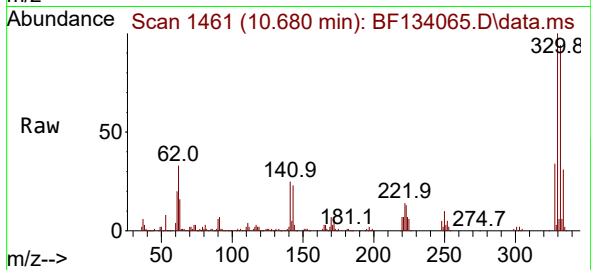
#42
2,4,6-Tribromophenol
Concen: 81.615 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Instrument :

BNA_F

ClientSampleId :

VNJ-232



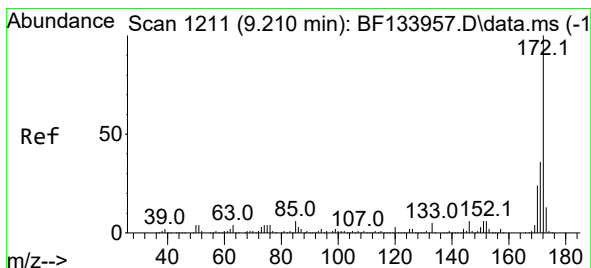
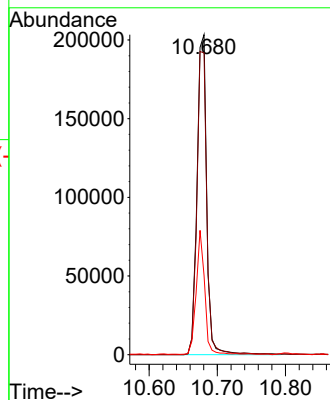
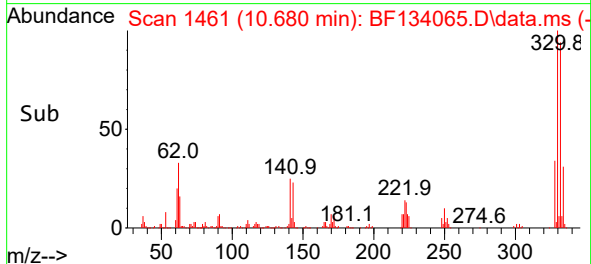
Tgt Ion: 330 Resp: 20109
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 34.8 26.3 39.5

Manual Integrations

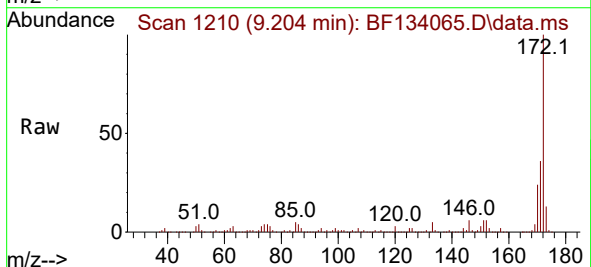
APPROVED

Reviewed By : Yogesh Patel 07/03/2023

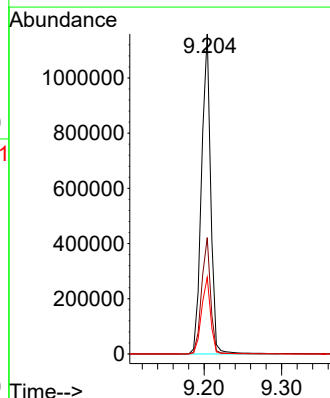
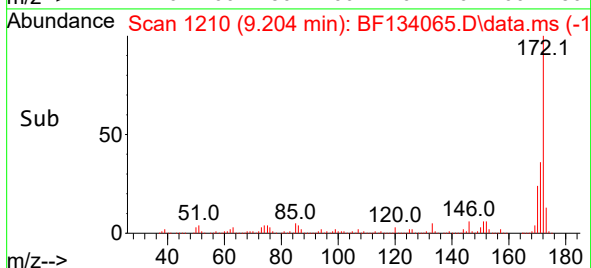
Supervised By : mohammad ahmed 07/07/2023

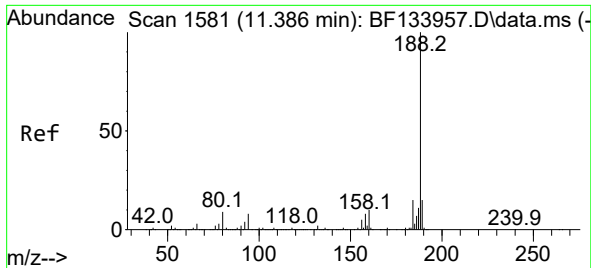


#45
2-Fluorobiphenyl
Concen: 70.641 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26



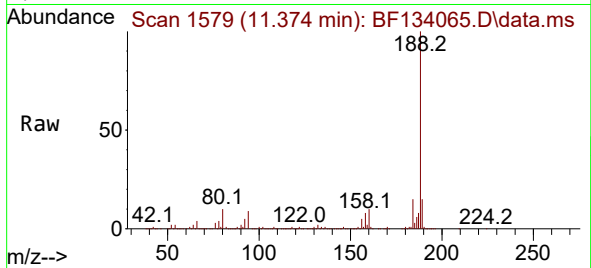
Tgt Ion: 172 Resp: 954806
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 24.0 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

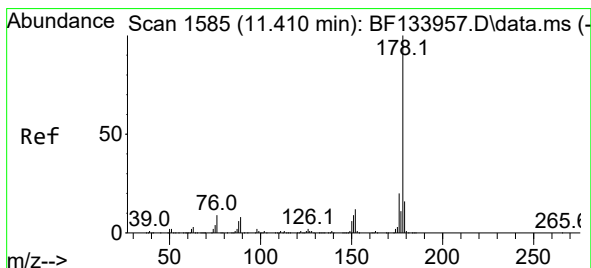
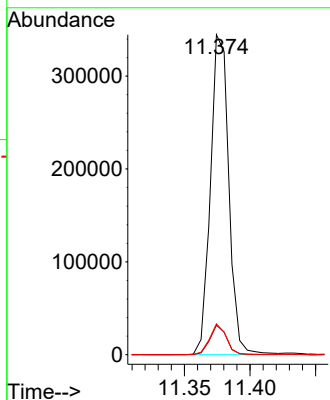
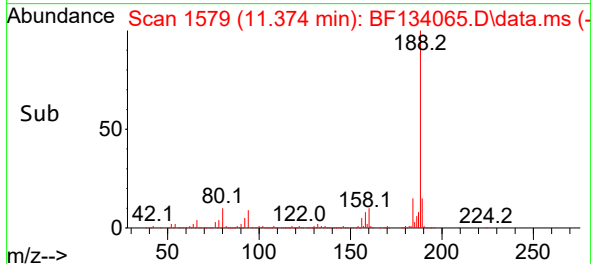
Instrument :
BNA_F
ClientSampleId :
VNJ-232



Tgt Ion:188 Resp: 33590
Ion Ratio Lower Upper
188 100
94 9.2 6.4 9.6
80 9.6 7.3 10.9

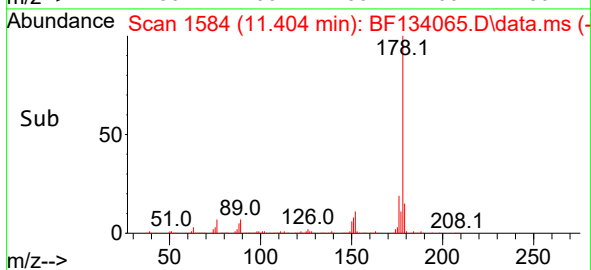
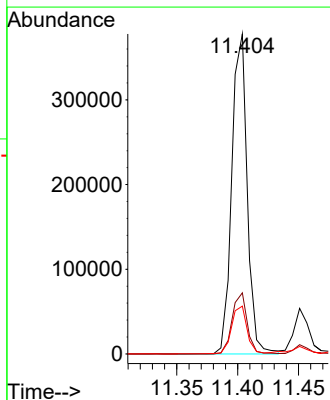
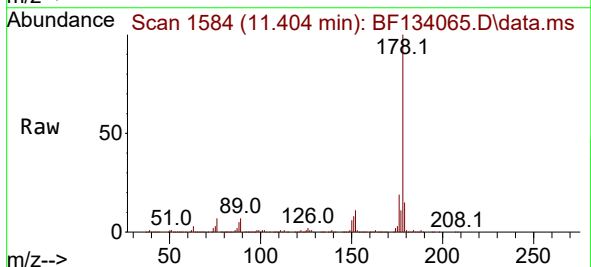
Manual Integrations
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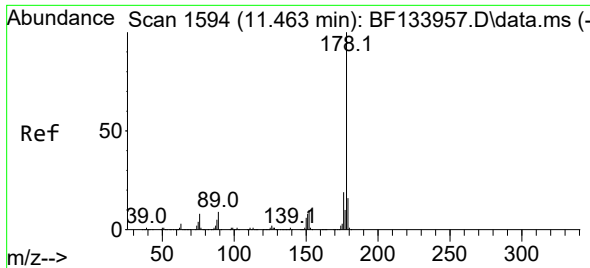
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#71
Phenanthrene
Concen: 19.707 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

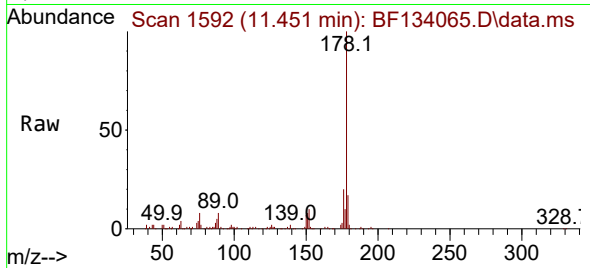
Tgt Ion:178 Resp: 333239
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.9 12.4 18.6





#72
 Anthracene
 Concen: 2.315 ng
 RT: 11.451 min Scan# 11451
 Delta R.T. -0.012 min
 Lab File: BF134065.D
 Acq: 30 Jun 2023 22:26

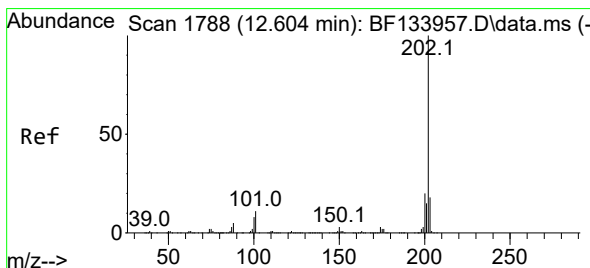
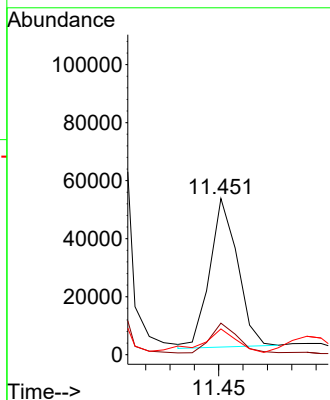
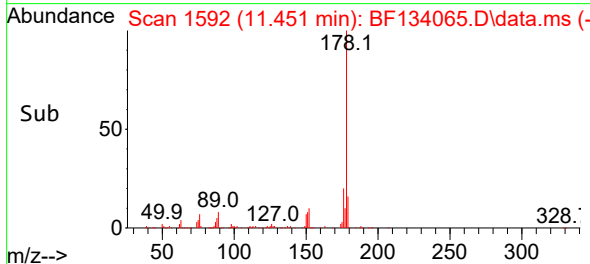
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-232



Tgt Ion:178 Resp: 40722
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.3 22.9
 179 16.5 12.4 18.6

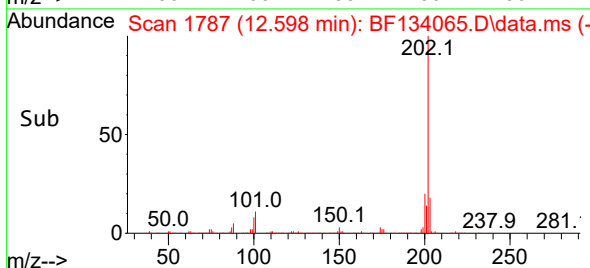
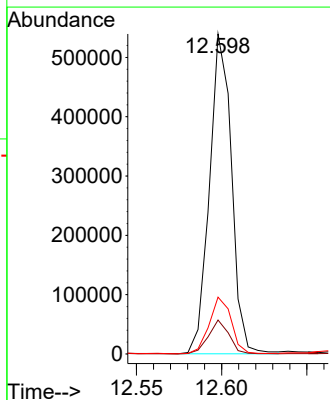
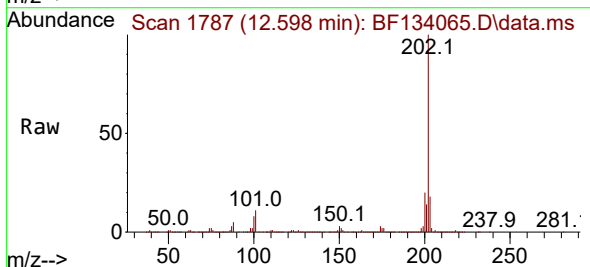
Manual Integrations
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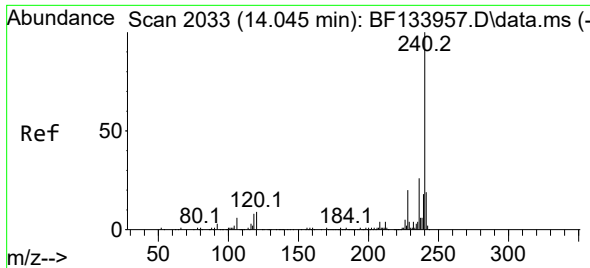
Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/07/2023



#75
 Fluoranthene
 Concen: 26.556 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.012 min
 Lab File: BF134065.D
 Acq: 30 Jun 2023 22:26

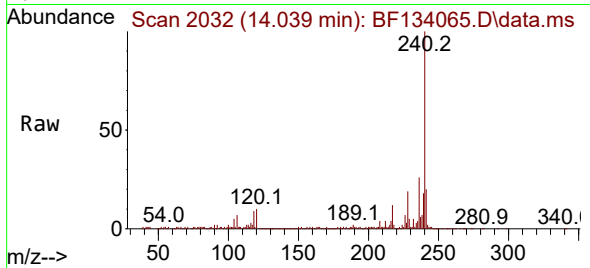
Tgt Ion:202 Resp: 485468
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.0
 203 17.8 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

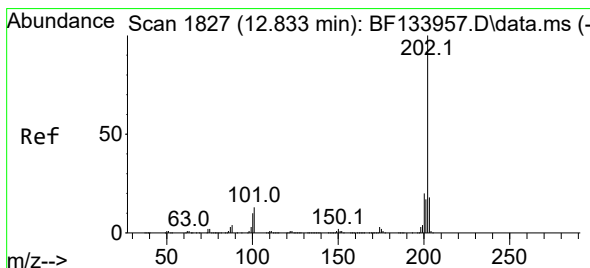
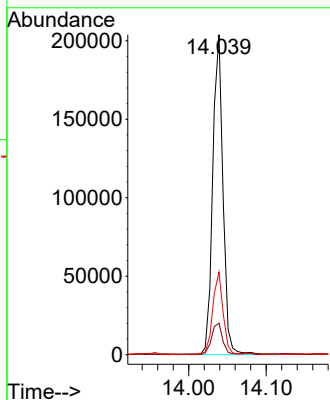
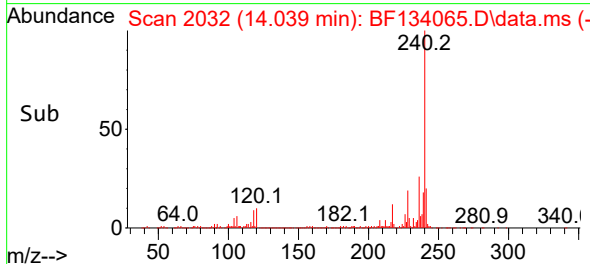
Instrument :
BNA_F
ClientSampleId :
VNJ-232



Tgt Ion:240 Resp: 188678
Ion Ratio Lower Upper
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120 9.8 7.4 11.0
236 25.8 21.0 31.6

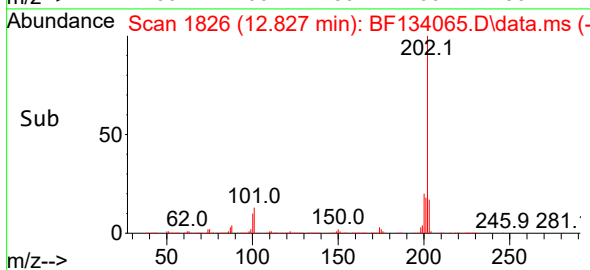
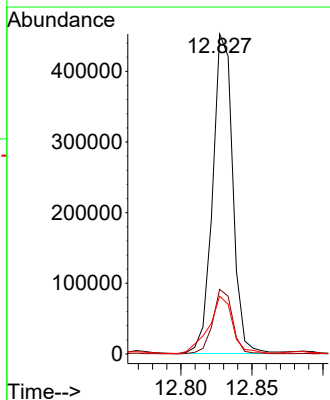
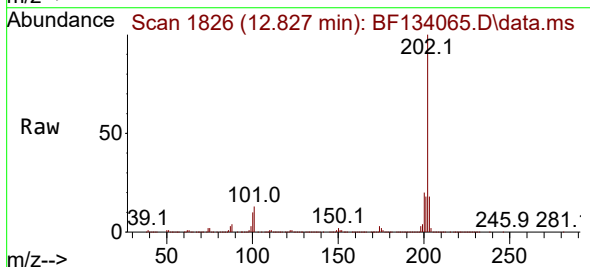
Manual Integrations
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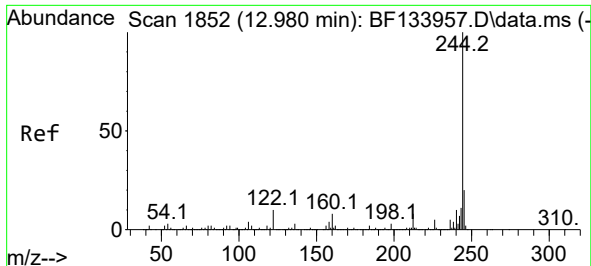
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#78
Pyrene
Concen: 25.312 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

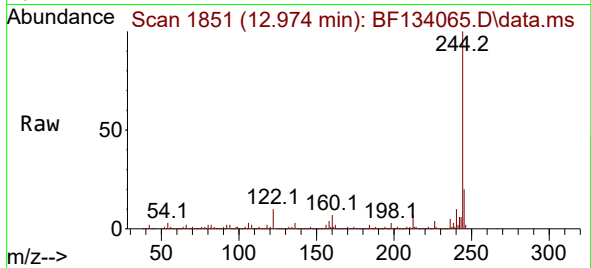
Tgt Ion:202 Resp: 444456
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 18.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 62.112 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134065.D
 Acq: 30 Jun 2023 22:26

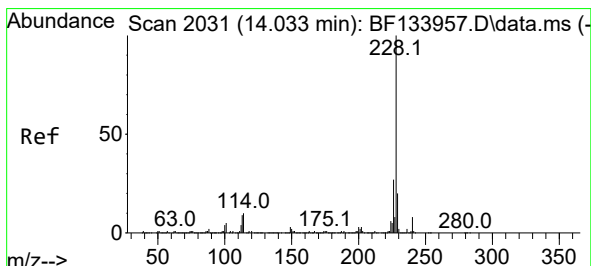
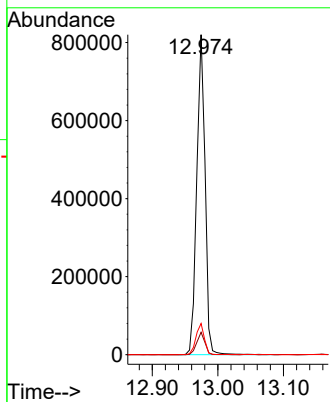
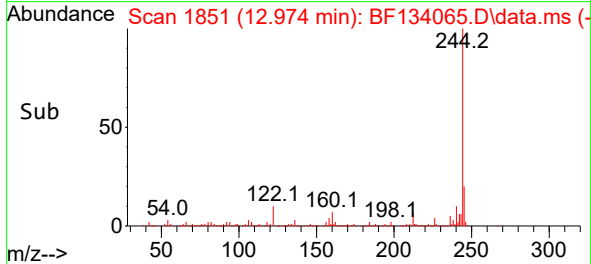
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-232



Tgt Ion:244 Resp: 728150
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.8 8.3 12.5

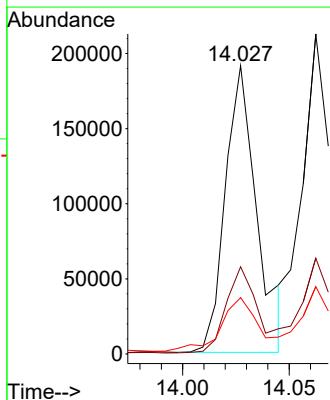
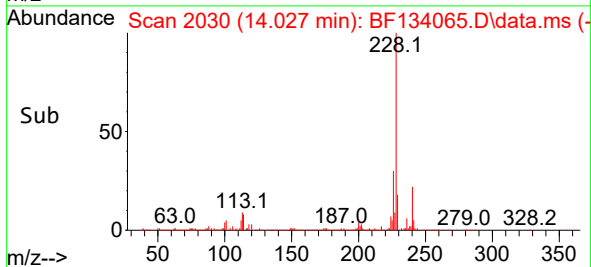
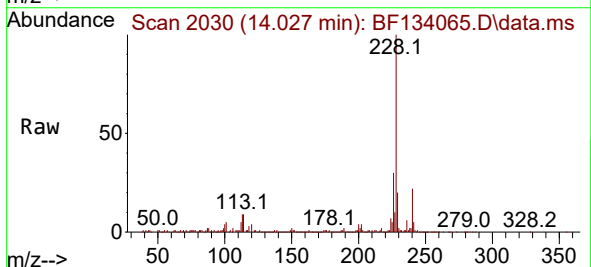
Manual Integrations
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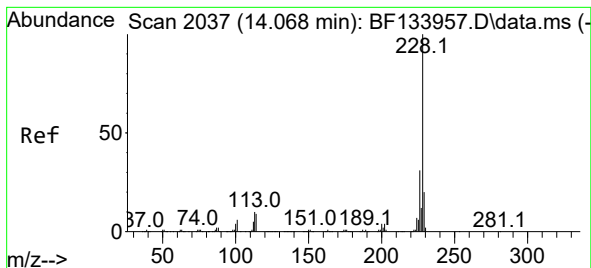
Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/07/2023



#81
 Benzo(a)anthracene
 Concen: 15.022 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.012 min
 Lab File: BF134065.D
 Acq: 30 Jun 2023 22:26

Tgt Ion:228 Resp: 196571
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.0 33.0
 229 19.5 16.3 24.5





#83

Chrysene

Concen: 15.680 ng

RT: 14.062 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Instrument :

BNA_F

ClientSampleId :

VNJ-232

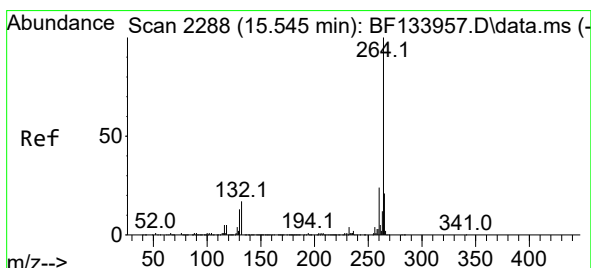
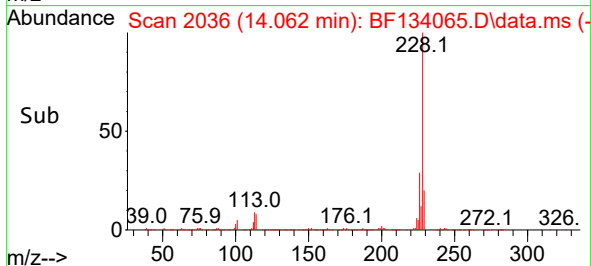
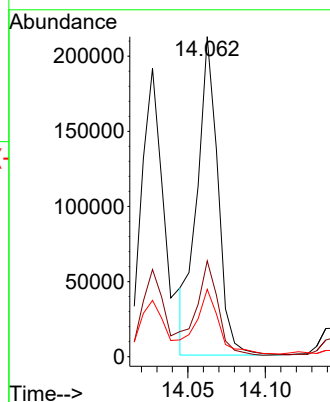
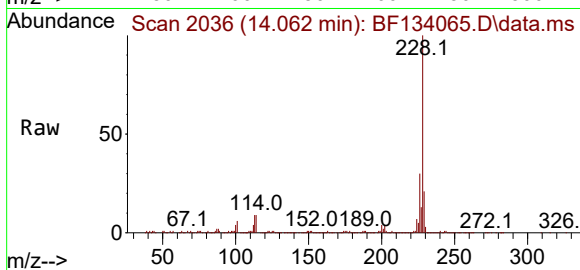
Tgt Ion:	228	Resp:	19872
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.4	36.6
229	21.0	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/07/2023



#86

Perylene-d12

Concen: 20.000 ng

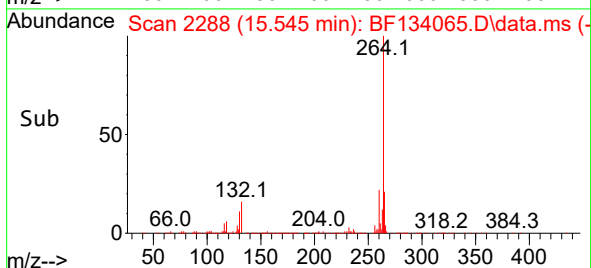
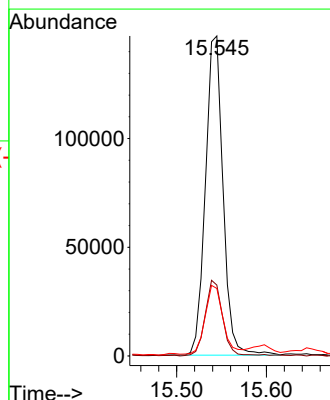
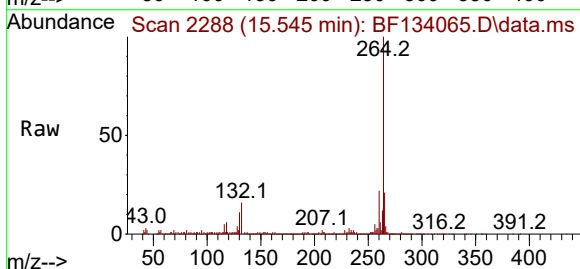
RT: 15.545 min Scan# 2288

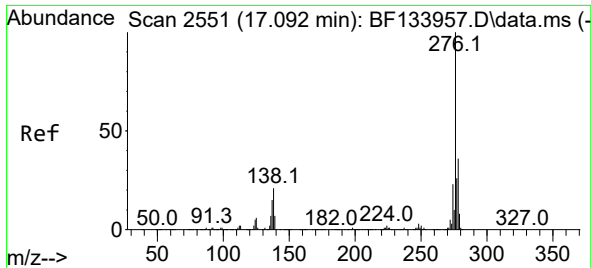
Delta R.T. -0.006 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Tgt Ion:	264	Resp:	200517
Ion Ratio	Lower	Upper	
264	100		
260	22.1	19.5	29.3
265	21.1	16.6	25.0





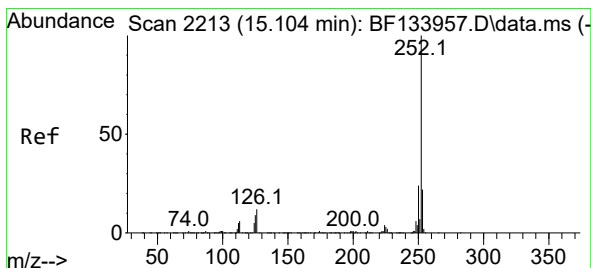
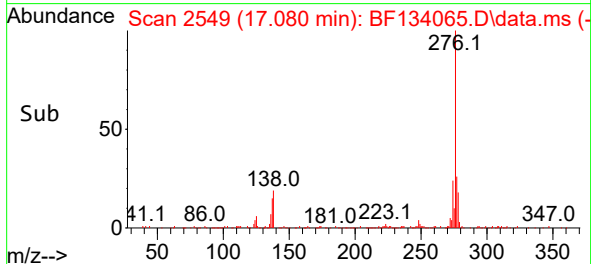
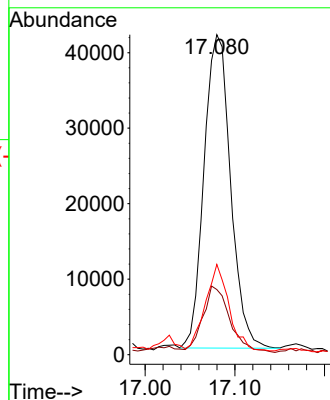
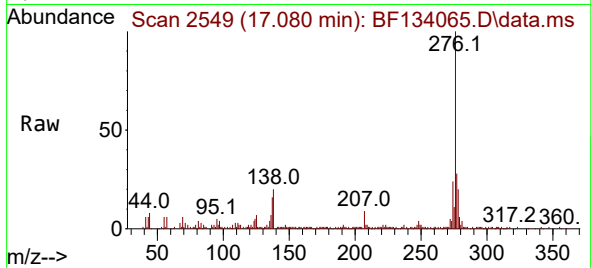
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.133 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Instrument :
BNA_F
ClientSampleId :
VNJ-232

Tgt Ion:276 Resp: 85330
Ion Ratio Lower Upper
276 100
138 21.5 18.7 28.1
277 25.6 19.9 29.9

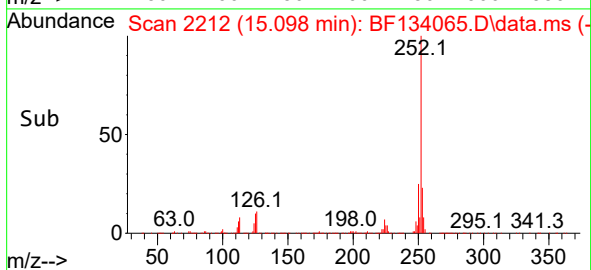
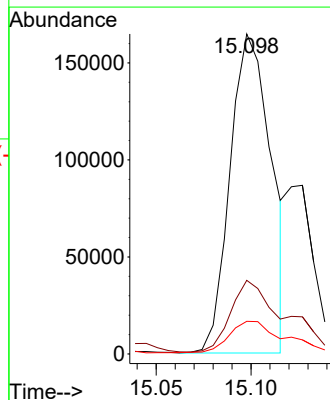
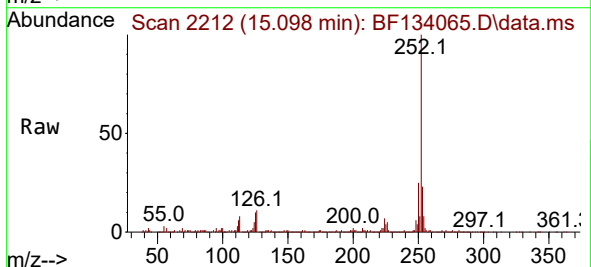
Manual Integrations
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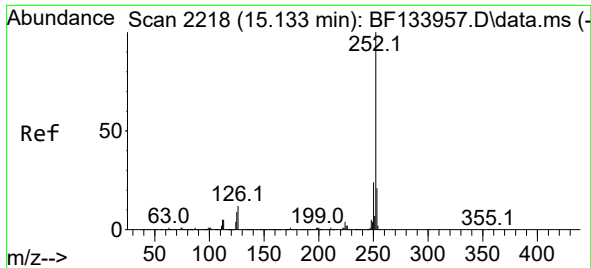
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#88
Benzo(b)fluoranthene
Concen: 21.106 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:252 Resp: 248846
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.2 7.1 10.7





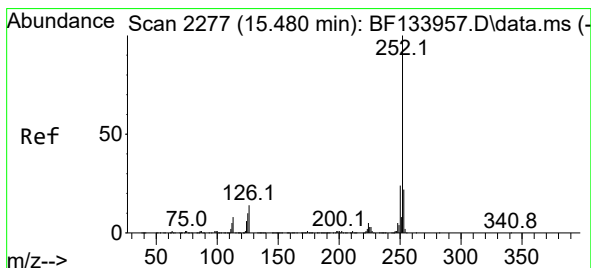
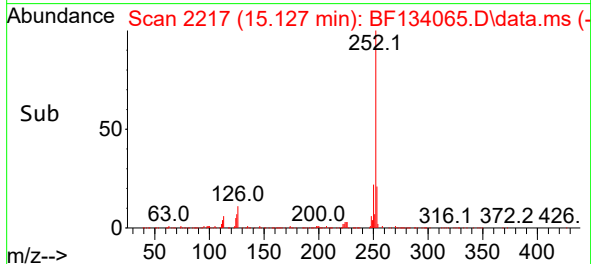
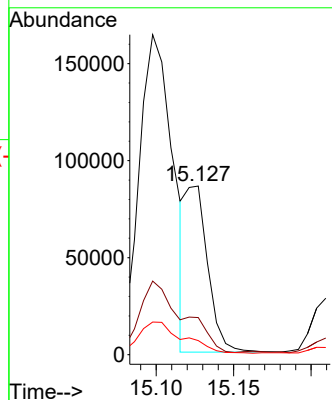
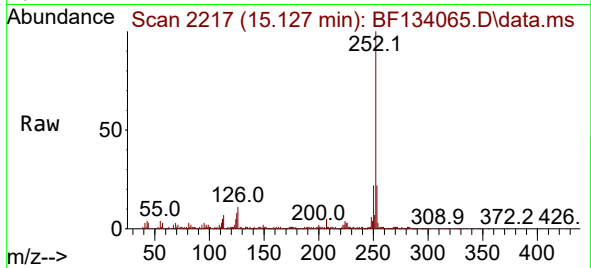
#89
Benzo(k)fluoranthene
Concen: 7.071 ng m
RT: 15.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Instrument :
BNA_F
ClientSampleId :
VNJ-232

Tgt Ion:252 Resp: 84880
Ion Ratio Lower Upper
252 100
253 22.0 16.9 25.3
125 8.4 7.4 11.2

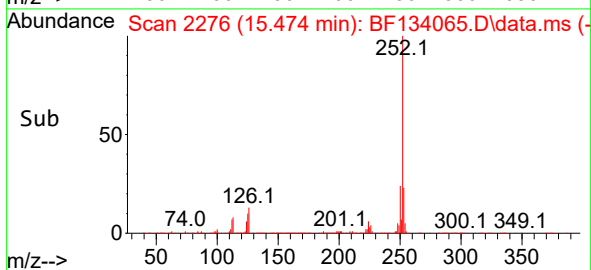
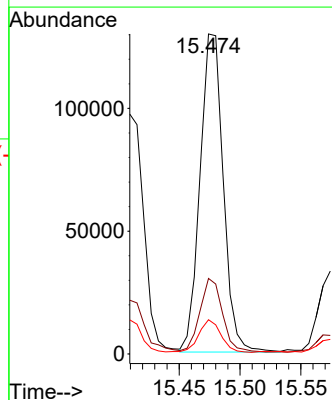
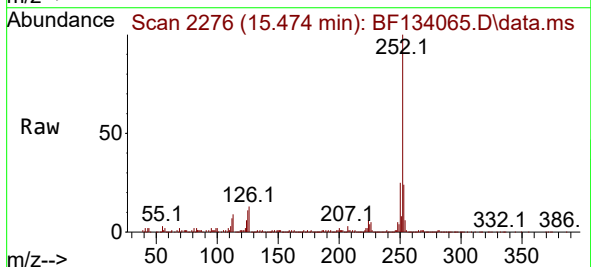
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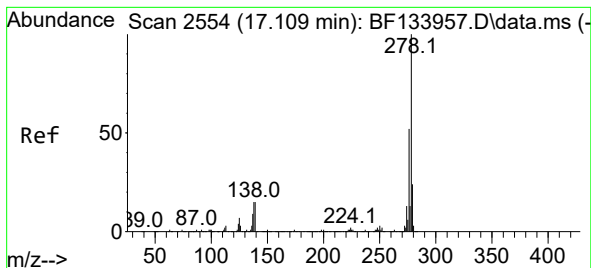
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#90
Benzo(a)pyrene
Concen: 15.122 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:252 Resp: 172411
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 10.7 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.021 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Instrument :

BNA_F

ClientSampleId :

VNJ-232

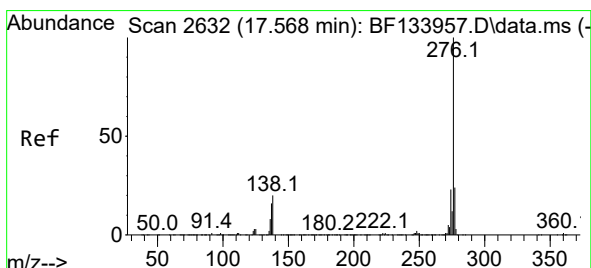
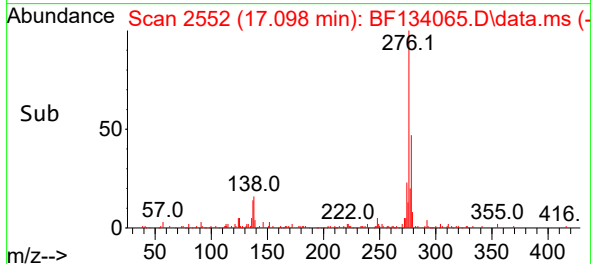
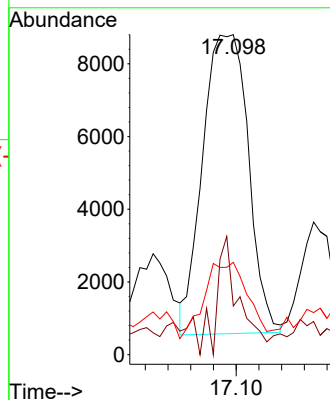
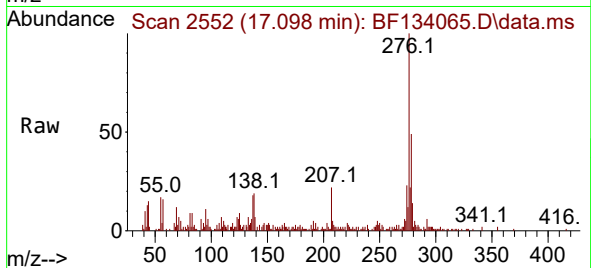
Tgt Ion:	278	Resp:	2296
Ion Ratio	Lower	Upper	
278	100		
139	15.2	12.2	18.4
279	28.8	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/07/2023



#92

Benzo(g,h,i)perylene

Concen: 6.875 ng

RT: 17.550 min Scan# 2629

Delta R.T. -0.030 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Tgt Ion:	276	Resp:	80577
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.6
138	21.0	16.2	24.2

