

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138803.D
 Acq On : 06 Aug 2024 00:44
 Operator : RC/JU
 Sample : P3362-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 06 01:47:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	41693	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	145143	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	62909	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	104757	20.000	ng	0.00
76) Chrysene-d12	14.010	240	64658	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	55578	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	134614	49.840	ng	0.00
7) Phenol-d6	6.487	99	170103	46.908	ng	0.00
23) Nitrobenzene-d5	7.404	82	104844	35.317	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	25808	50.083	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	169564	40.498	ng	0.00
79) Terphenyl-d14	12.951	244	166238	43.046	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.933	142	12337	2.609	ng	95
46) 1,1'-Biphenyl	9.298	154	15694	3.185	ng	96
52) Acenaphthene	9.910	154	67440	19.304	ng	98
55) Dibenzofuran	10.086	168	69959	14.186	ng	99
58) Fluorene	10.427	166	96996	24.699	ng	100
71) Phenanthrene	11.392	178	460854	85.436	ng	99
72) Anthracene	11.445	178	50747	9.550	ng	97
73) Carbazole	11.598	167	21590	4.709	ng	95
75) Fluoranthene	12.580	202	272212	54.056	ng	99
78) Pyrene	12.810	202	175607	28.846	ng	98
81) Benzo(a)anthracene	13.998	228	45006	10.108	ng	99
83) Chrysene	14.033	228	33790	8.412	ng	97
88) Benzo(b)fluoranthene	15.051	252	22464m	6.520	ng	
89) Benzo(k)fluoranthene	15.062	252	9252m	3.102	ng	
90) Benzo(a)pyrene	15.415	252	12107	4.178	ng	95

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

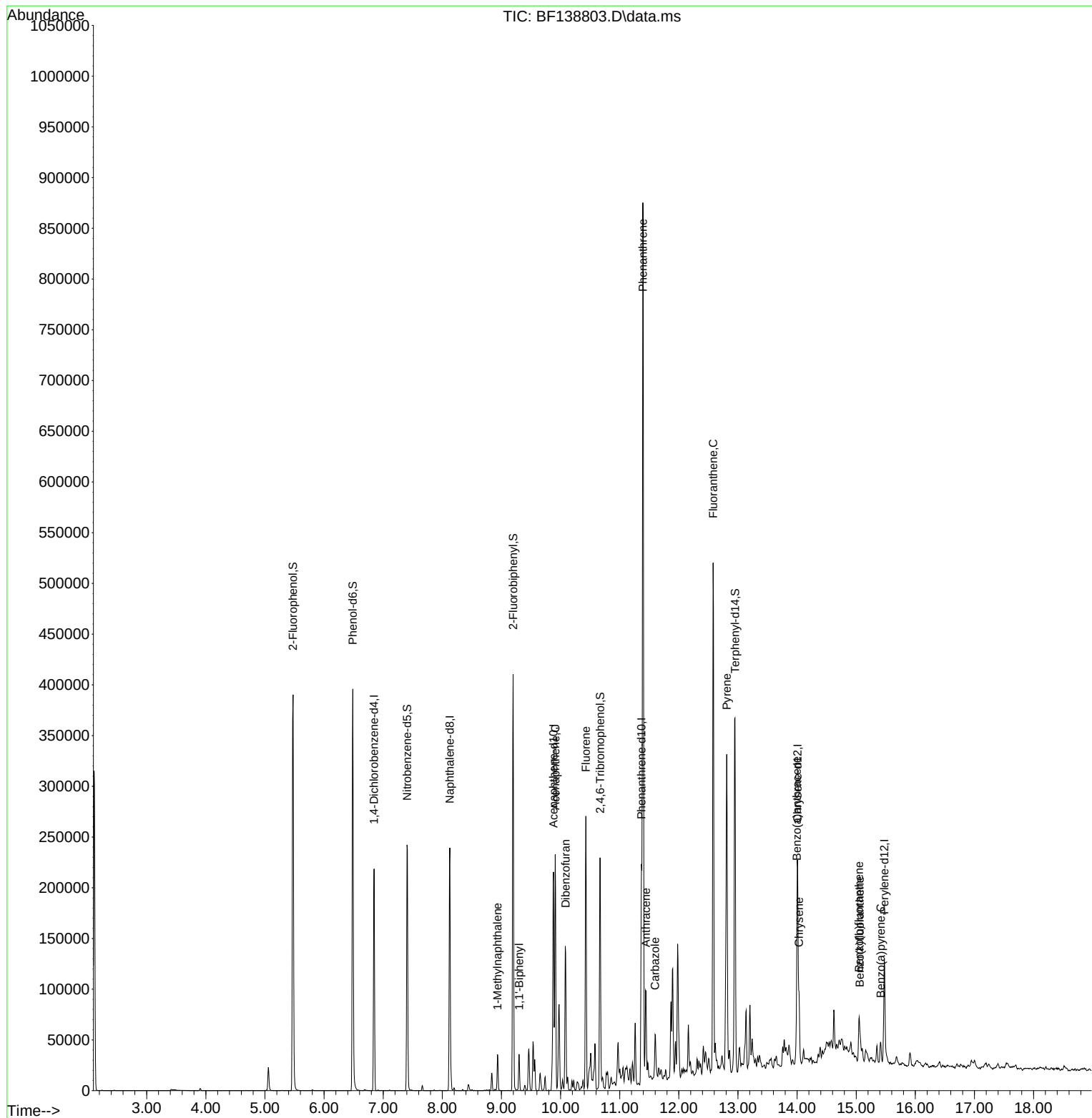
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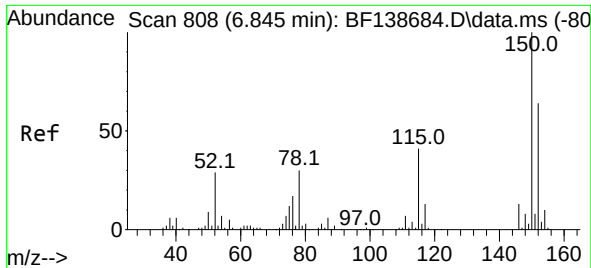
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Quant Time: Aug 06 01:47:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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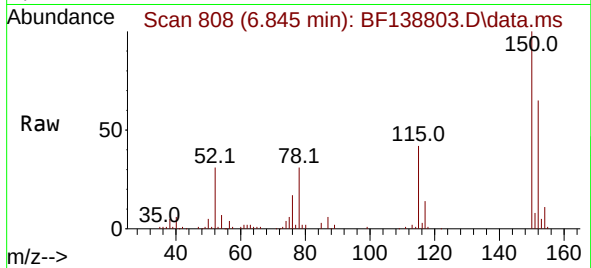
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138803.D
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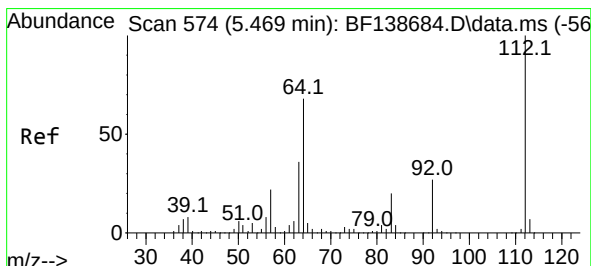
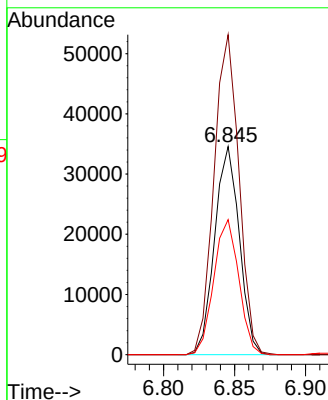
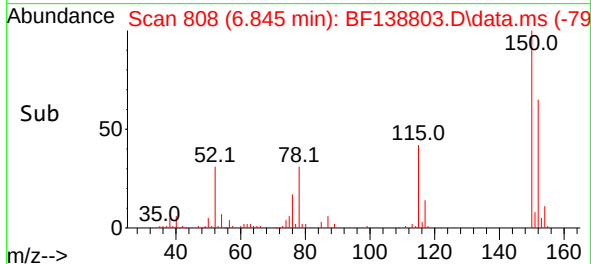
Instrument :
BNA_F
ClientSampleId :
VNJ-220



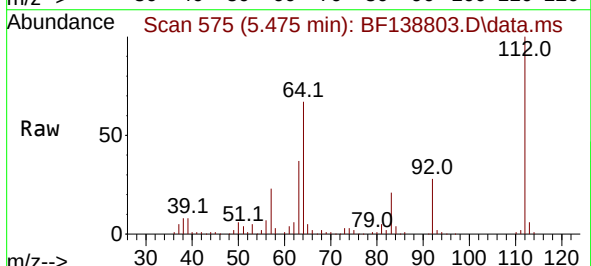
Tgt Ion:152 Resp: 4169
Ion Ratio Lower Upper
152 100
150 153.7 126.0 189.0
115 64.9 51.7 77.5

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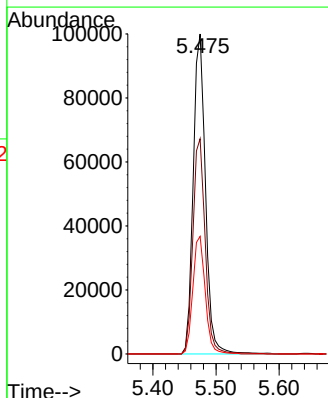
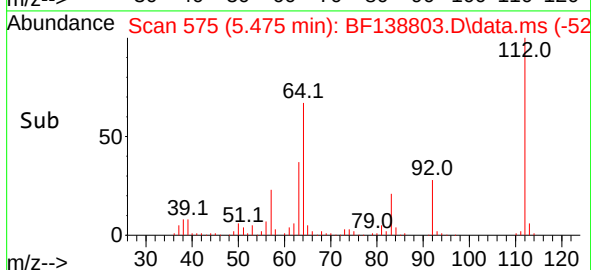
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

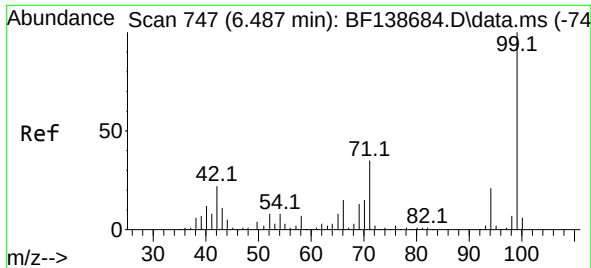


#5
2-Fluorophenol
Concen: 49.840 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44



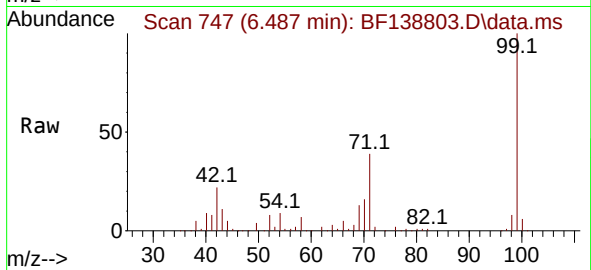
Tgt Ion:112 Resp: 134614
Ion Ratio Lower Upper
112 100
64 67.3 54.2 81.4
63 36.8 28.7 43.1





#7
Phenol-d6
Concen: 46.908 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

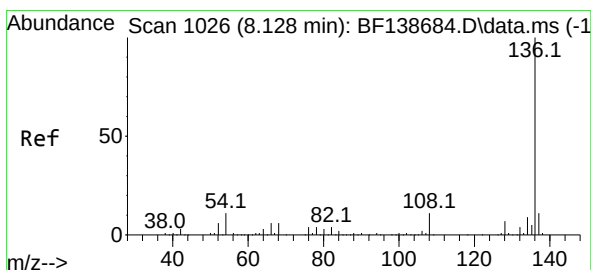
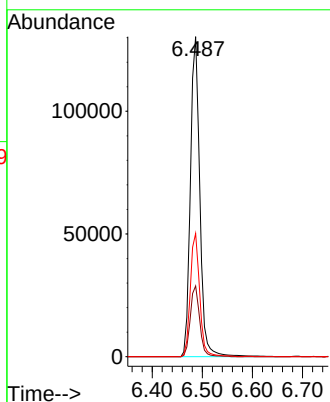
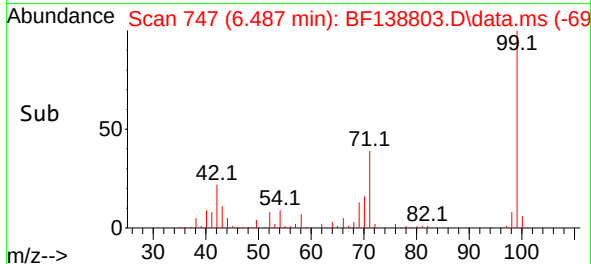
Instrument :
BNA_F
ClientSampleId :
VNJ-220



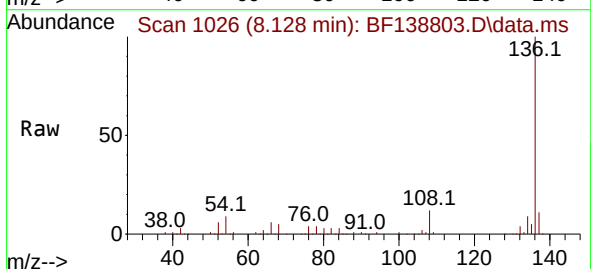
Tgt Ion: 99 Resp: 17010
Ion Ratio Lower Upper
99 100
42 22.1 17.4 26.0
71 38.5 28.1 42.1

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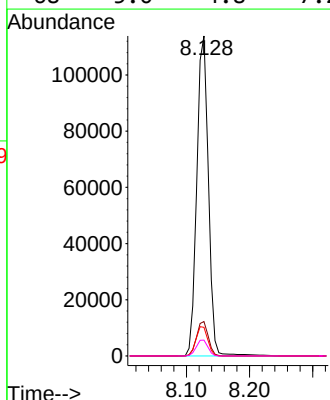
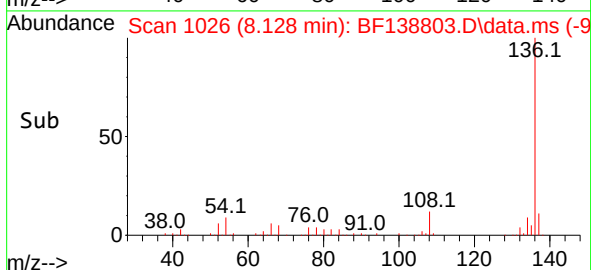
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

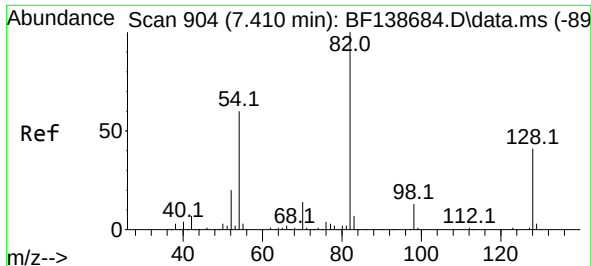


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44



Tgt Ion:136 Resp: 145143
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.0 8.6 12.8
68 5.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 35.317 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

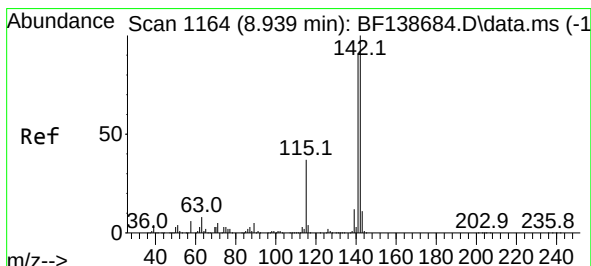
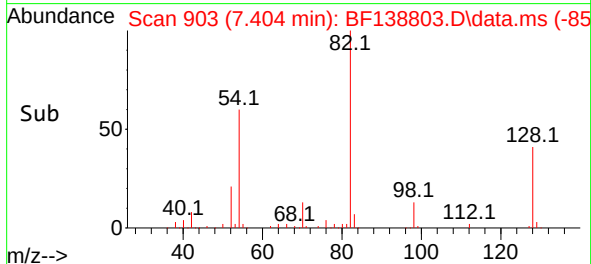
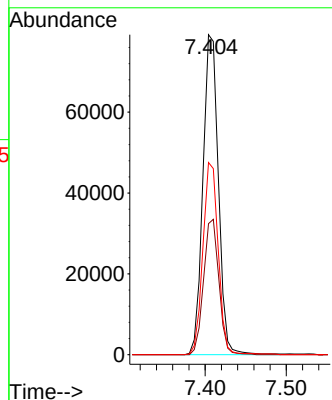
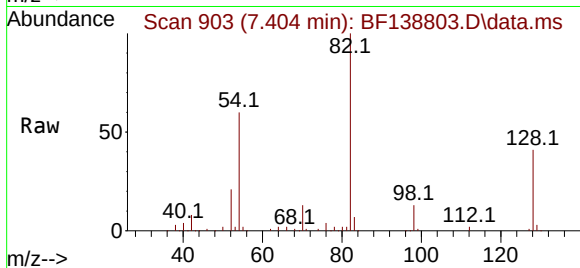
ClientSampleId :

VNJ-220

Tgt Ion: 82 Resp: 10484
Ion Ratio Lower Upper
82 100
128 41.0 32.8 49.2
54 60.0 48.3 72.5

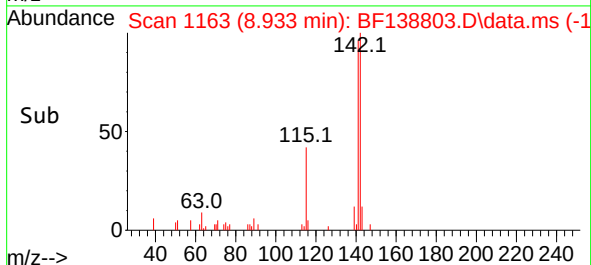
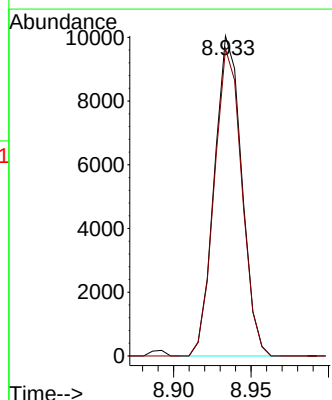
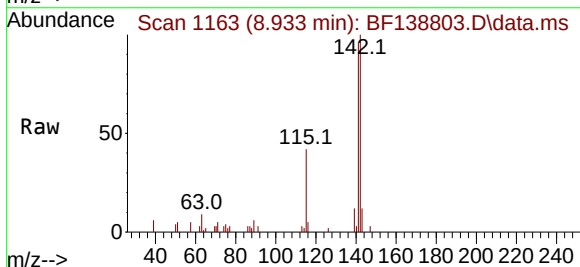
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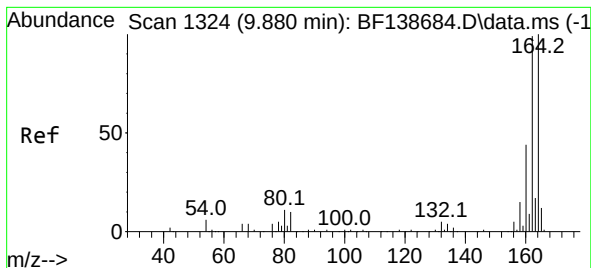
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#38
1-Methylnaphthalene
Concen: 2.609 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Tgt Ion:142 Resp: 12337
Ion Ratio Lower Upper
142 100
141 96.1 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

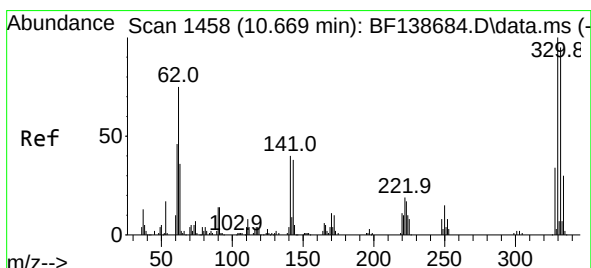
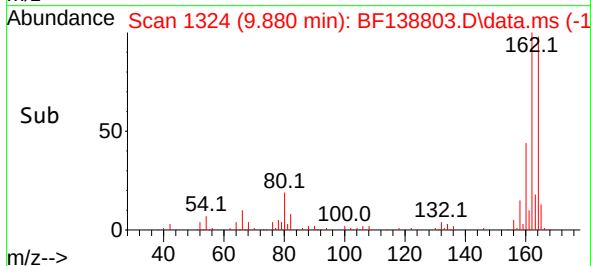
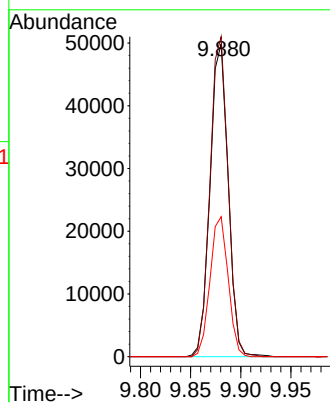
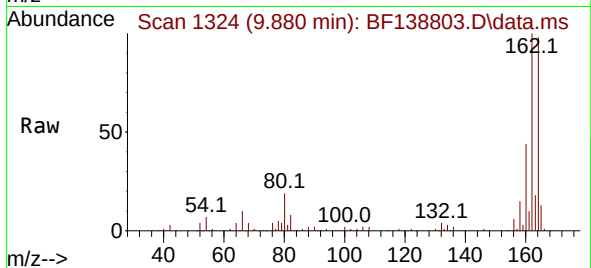
VNJ-220

Tgt Ion:164	Resp:	62909
Ion Ratio	Lower	Upper
164	100	
162	102.3	79.4 119.0
160	44.7	35.1 52.7

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 50.083 ng

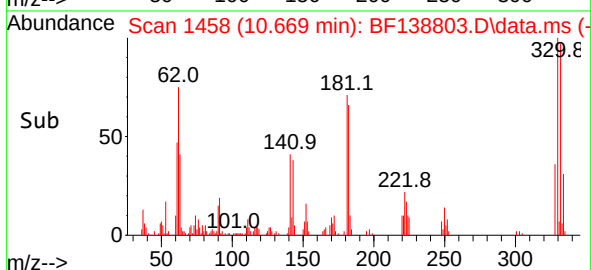
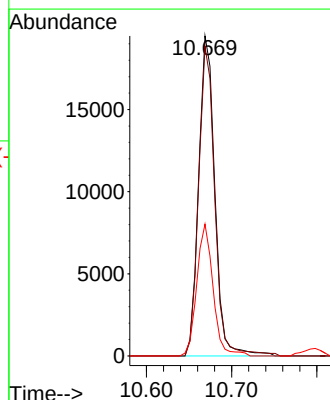
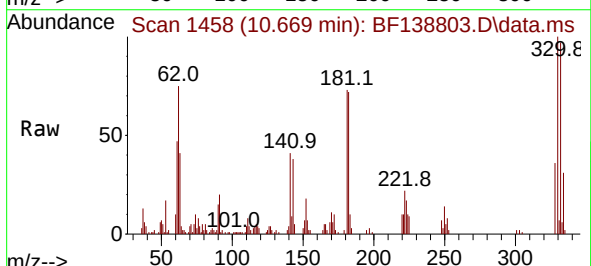
RT: 10.669 min Scan# 1458

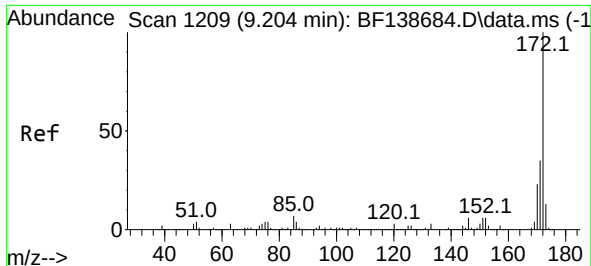
Delta R.T. -0.000 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Tgt Ion:330	Resp:	25808
Ion Ratio	Lower	Upper
330	100	
332	96.2	76.4 114.6
141	41.4	31.1 46.7





#45

2-Fluorobiphenyl

Concen: 40.498 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

VNJ-220

Tgt Ion:172 Resp: 169564

Ion Ratio Lower Upper

172 100

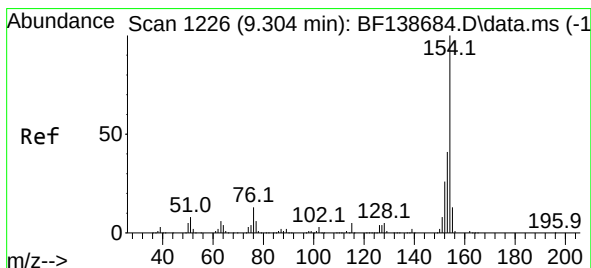
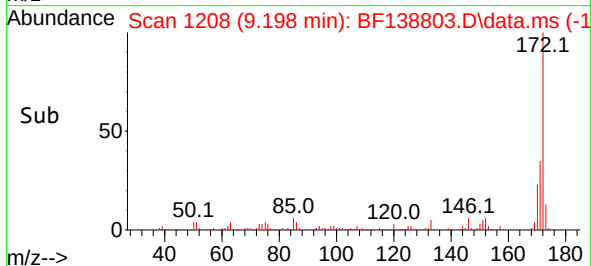
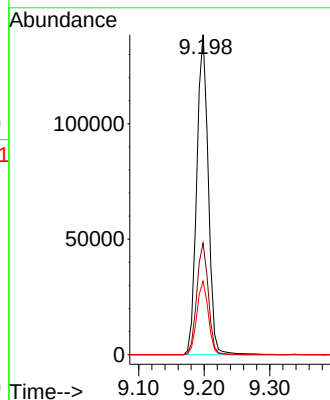
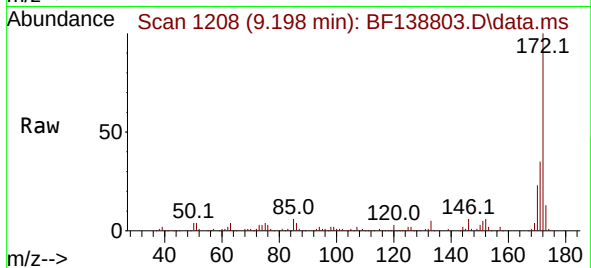
171 34.9 28.3 42.5

170 23.0 18.8 28.2

Manual Integrations

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#46

1,1'-Biphenyl

Concen: 3.185 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

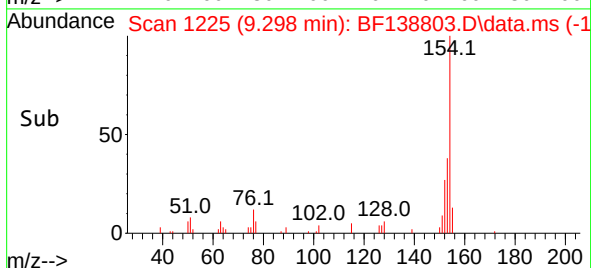
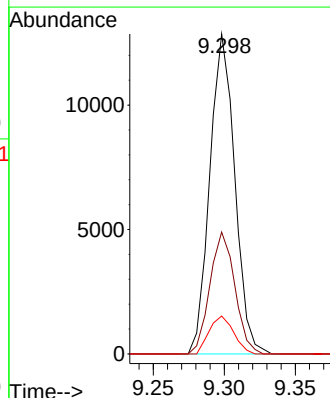
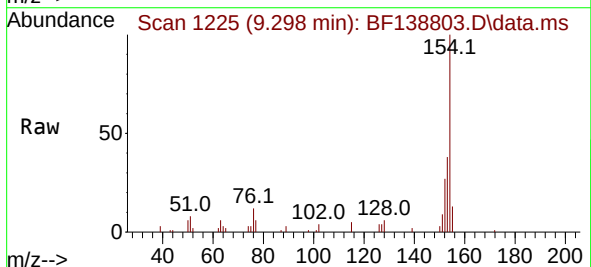
Tgt Ion:154 Resp: 15694

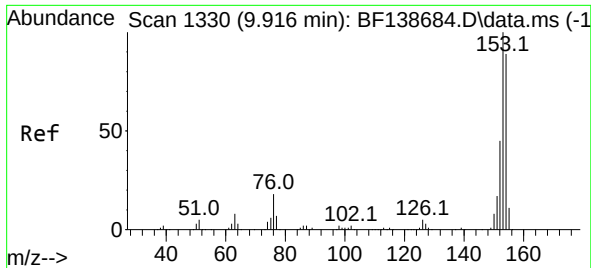
Ion Ratio Lower Upper

154 100

153 38.1 20.8 60.8

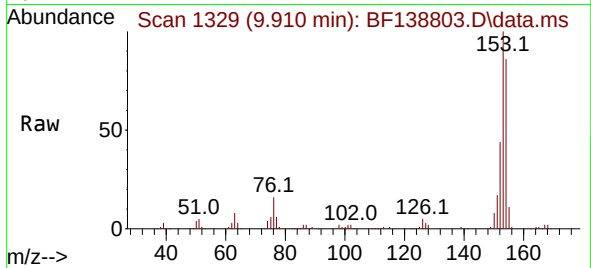
76 11.9 0.0 32.8





#52
Acenaphthene
Concen: 19.304 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

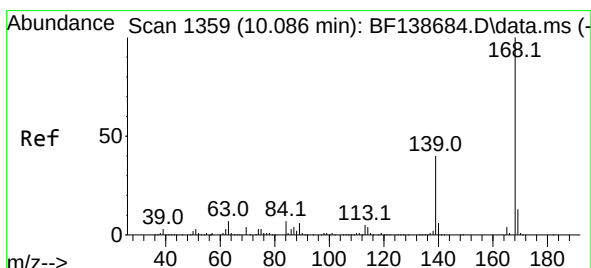
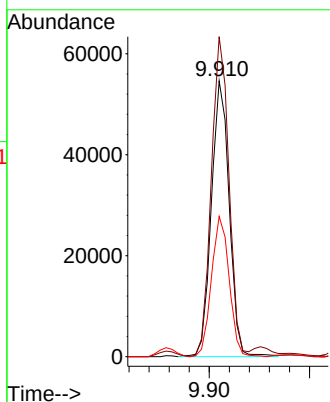
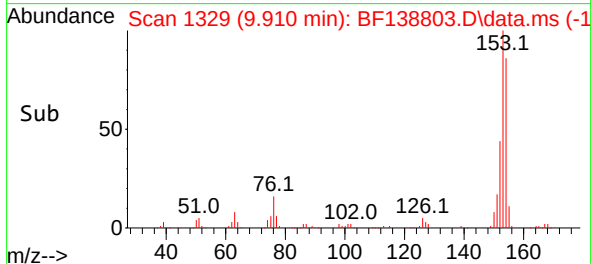
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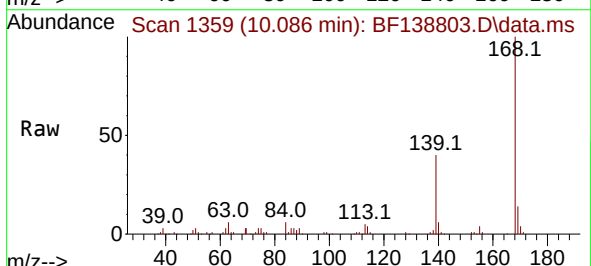
Tgt Ion:154 Resp: 67440
Ion Ratio Lower Upper
154 100
153 116.0 89.9 134.9
152 50.9 40.6 60.8

Manual Integrations
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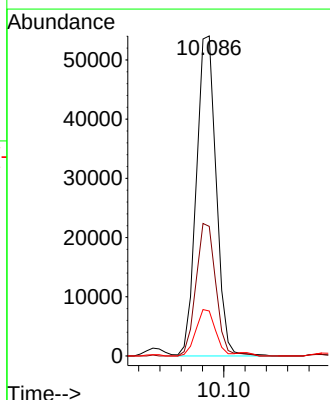
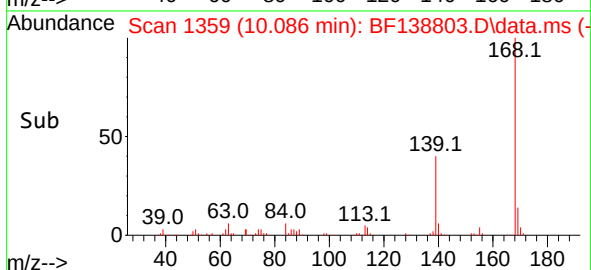
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

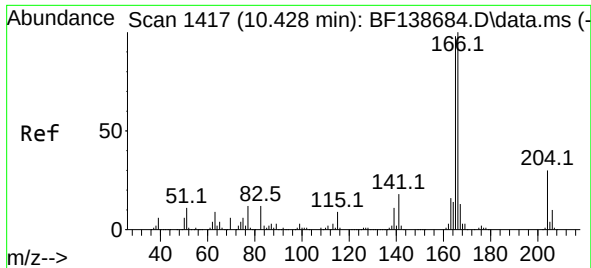


#55
Dibenzofuran
Concen: 14.186 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44



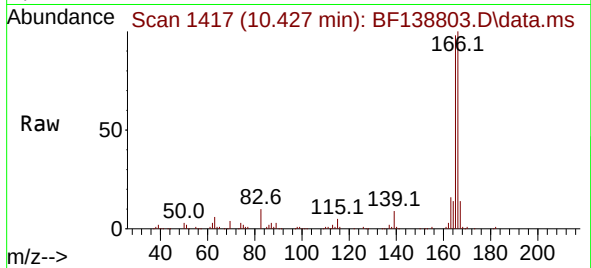
Tgt Ion:168 Resp: 69959
Ion Ratio Lower Upper
168 100
139 40.5 32.6 49.0
169 14.1 10.7 16.1





#58
Fluorene
Concen: 24.699 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

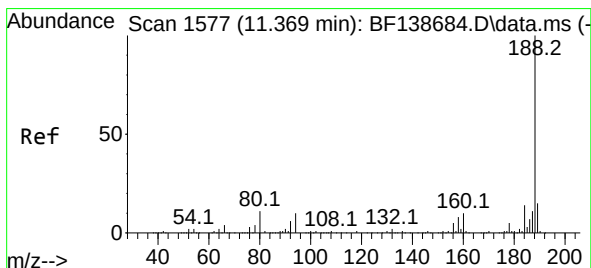
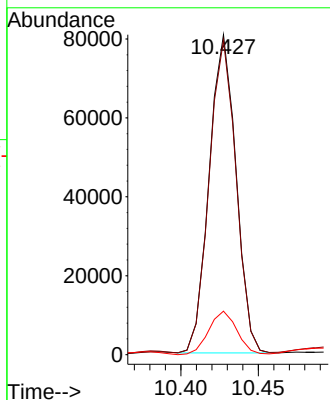
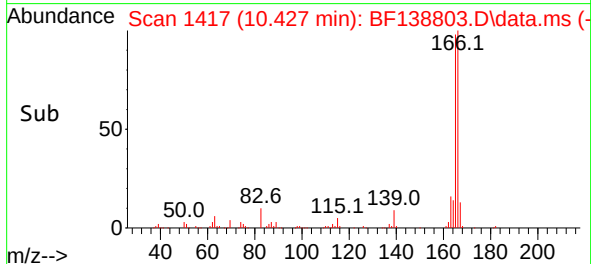
Instrument :
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VNJ-220



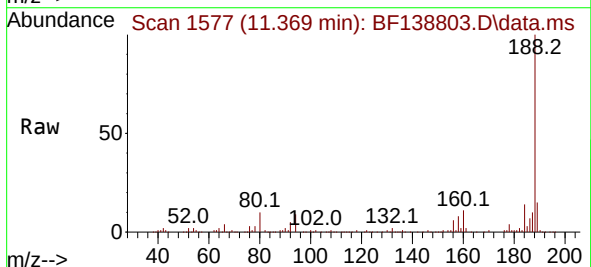
Tgt Ion:166 Resp: 96990
Ion Ratio Lower Upper
166 100
165 98.3 78.4 117.6
167 13.6 10.6 16.0

Manual Integrations
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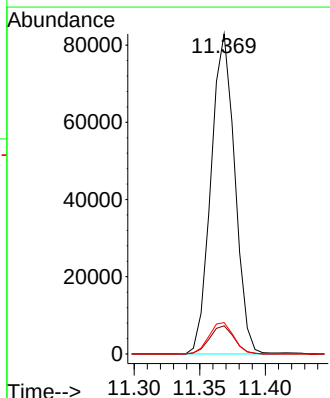
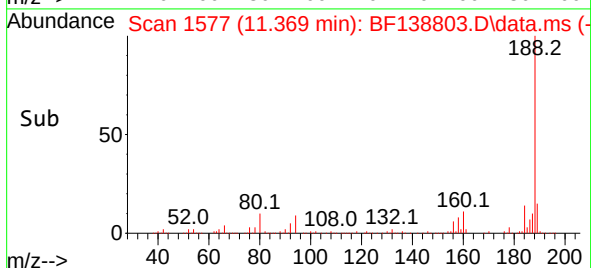
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

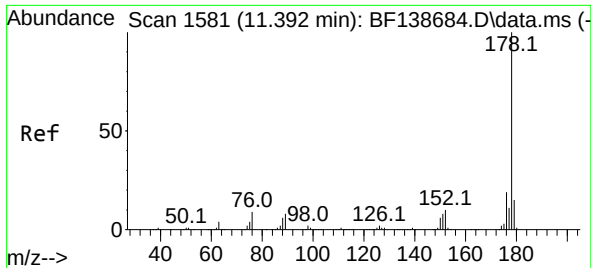


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44



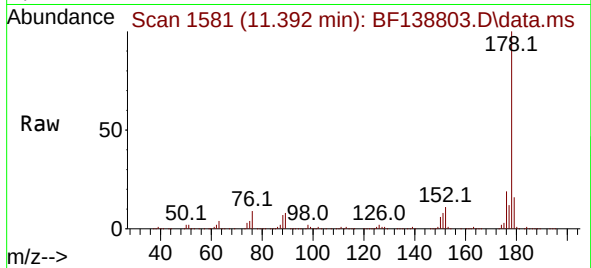
Tgt Ion:188 Resp: 104757
Ion Ratio Lower Upper
188 100
94 8.8 7.6 11.4
80 9.8 8.6 12.8





#71
Phenanthrene
Concen: 85.436 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

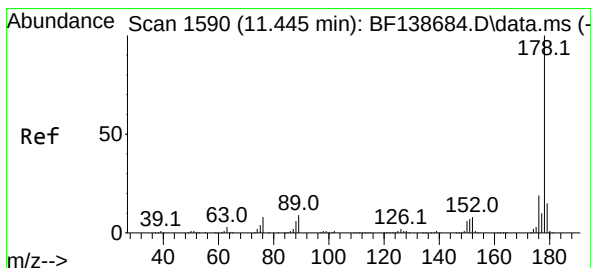
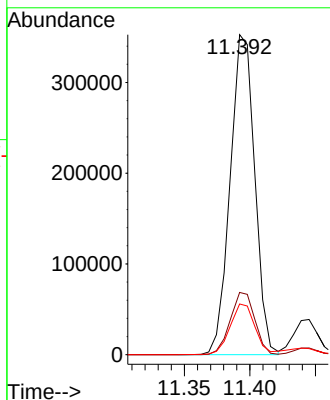
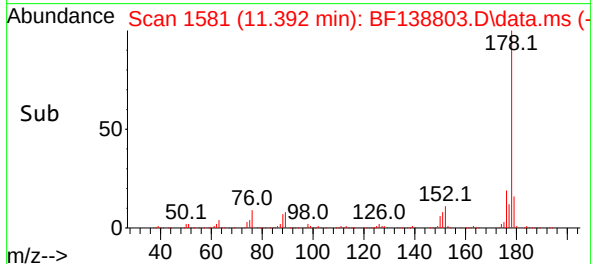
Instrument :
BNA_F
ClientSampleId :
VNJ-220



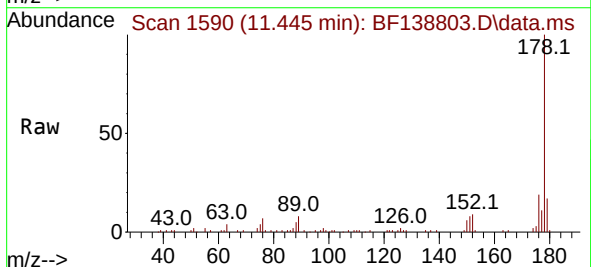
Tgt Ion:178 Resp: 460854
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.9 12.2 18.2

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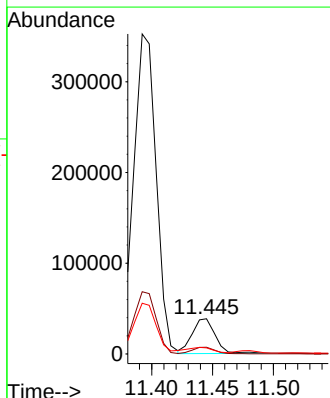
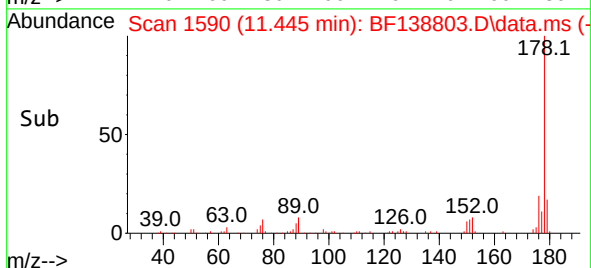
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

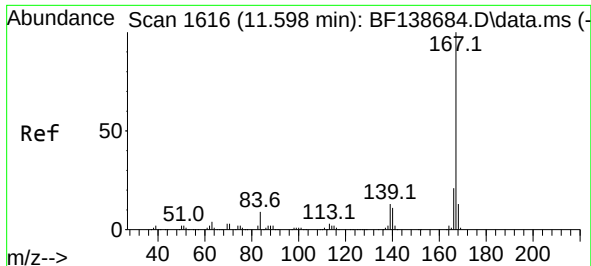


#72
Anthracene
Concen: 9.550 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44



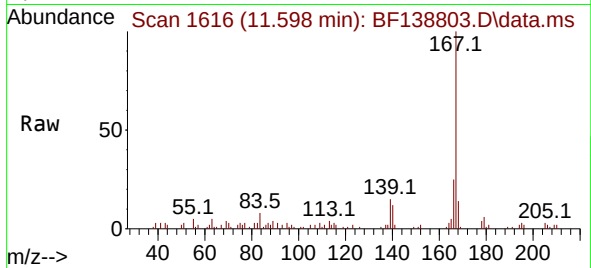
Tgt Ion:178 Resp: 50747
Ion Ratio Lower Upper
178 100
176 19.3 14.9 22.3
179 17.2 12.4 18.6





#73
 Carbazole
 Concen: 4.709 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. -0.000 min
 Lab File: BF138803.D
 Acq: 06 Aug 2024 00:44

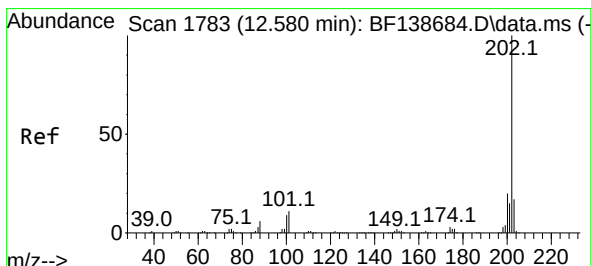
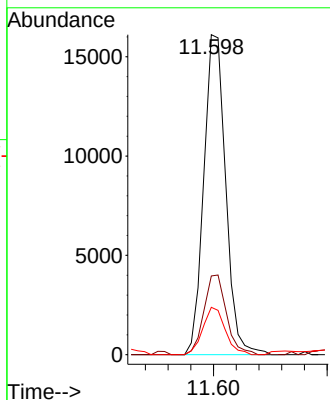
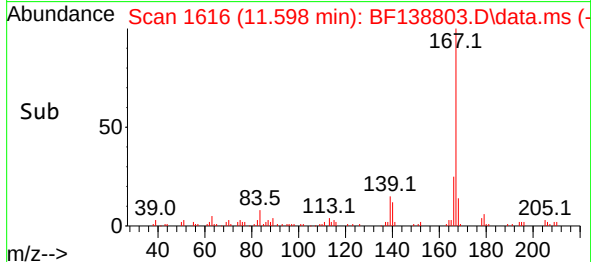
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220



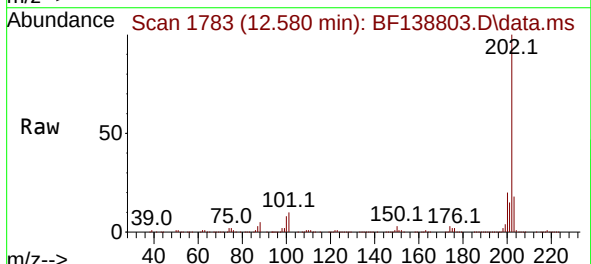
Tgt Ion:167 Resp: 21590
 Ion Ratio Lower Upper
 167 100
 166 24.6 17.2 25.8
 139 14.8 10.6 16.0

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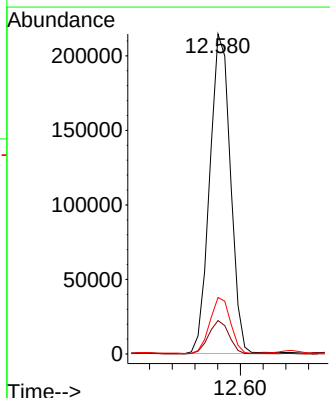
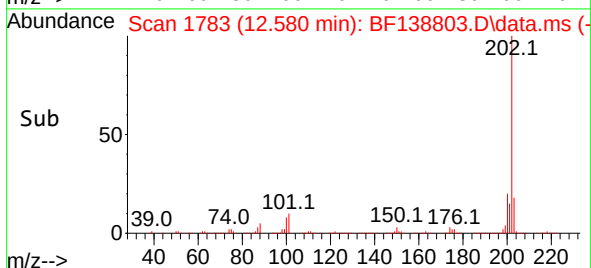
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

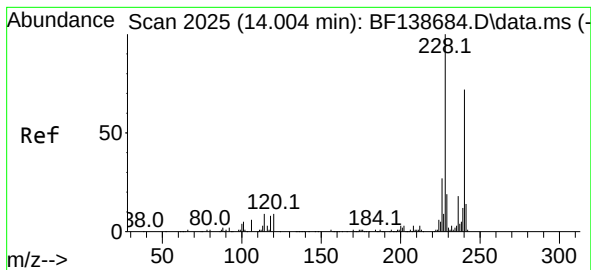


#75
 Fluoranthene
 Concen: 54.056 ng
 RT: 12.580 min Scan# 1783
 Delta R.T. -0.000 min
 Lab File: BF138803.D
 Acq: 06 Aug 2024 00:44



Tgt Ion:202 Resp: 272212
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.2
 203 17.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

VNJ-220

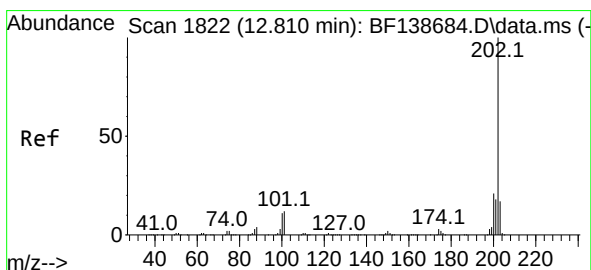
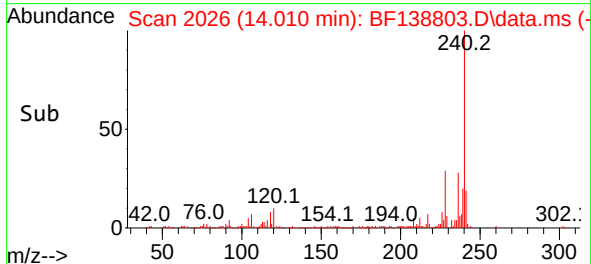
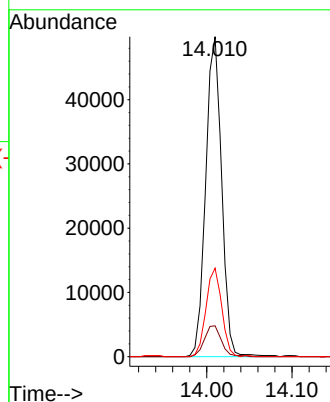
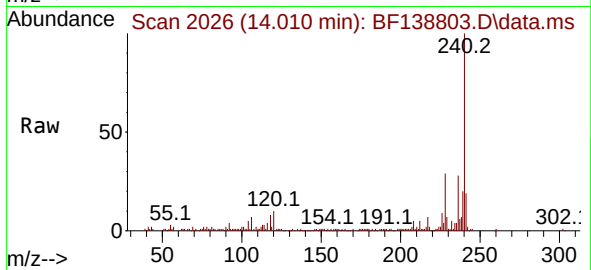
Tgt Ion:240 Resp: 64658

Ion	Ratio	Lower	Upper
240	100		
120	9.6	10.2	15.4
236	27.7	19.8	29.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#78

Pyrene

Concen: 28.846 ng

RT: 12.810 min Scan# 1822

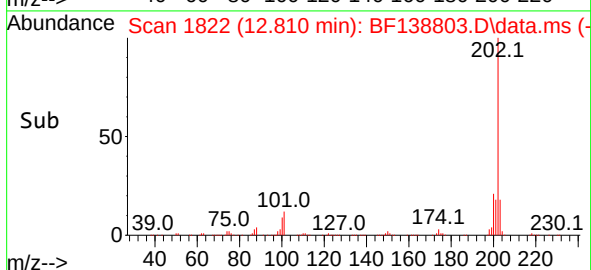
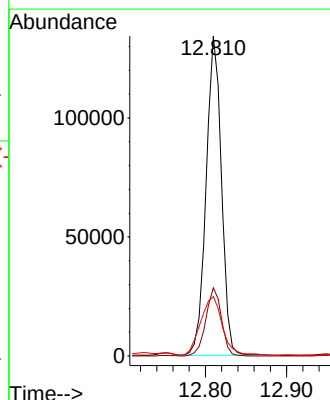
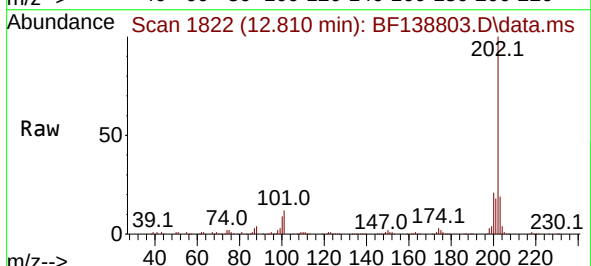
Delta R.T. -0.000 min

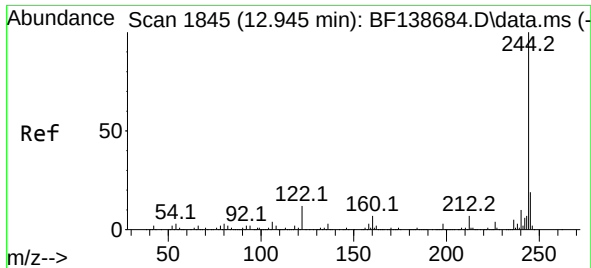
Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Tgt Ion:202 Resp: 175607

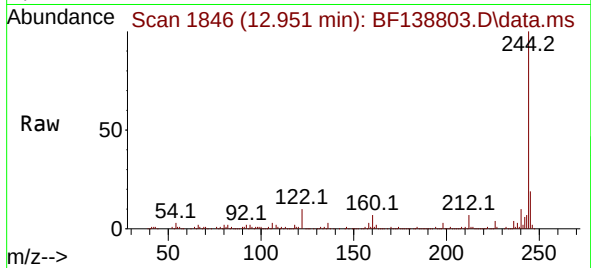
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.6	13.8	20.6





#79
 Terphenyl-d14
 Concen: 43.046 ng
 RT: 12.951 min Scan# 1846
 Delta R.T. 0.006 min
 Lab File: BF138803.D
 Acq: 06 Aug 2024 00:44

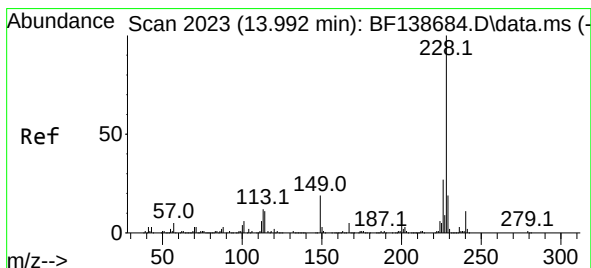
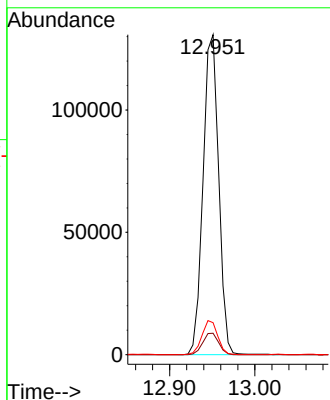
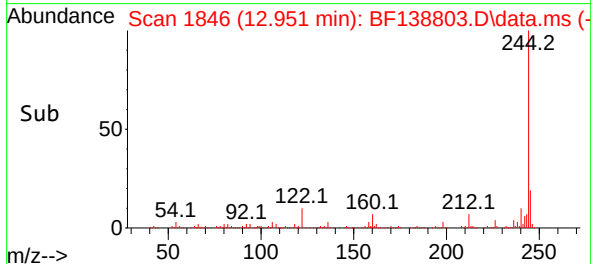
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220



Tgt Ion:244 Resp: 166238
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.0 9.6 14.4

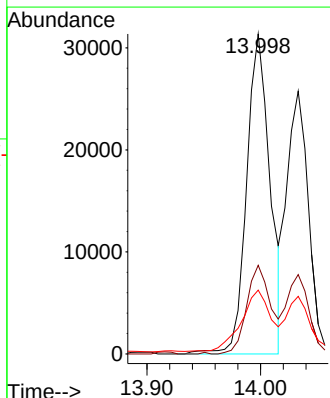
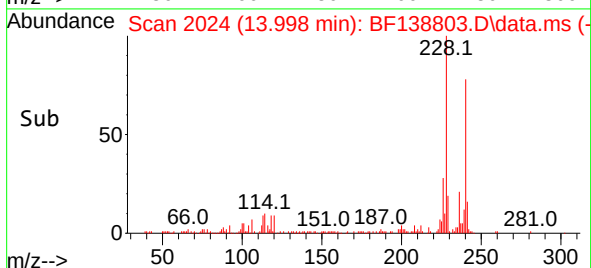
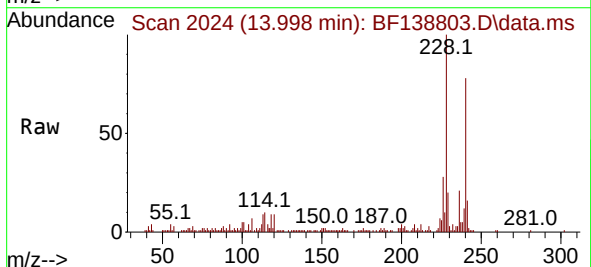
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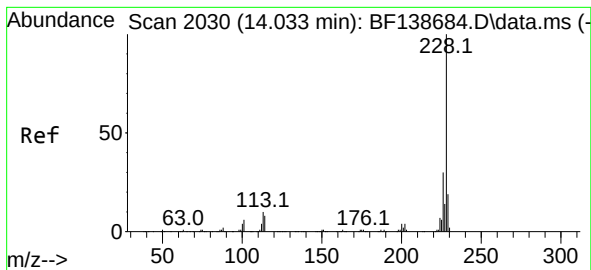
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024



#81
 Benzo(a)anthracene
 Concen: 10.108 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. 0.006 min
 Lab File: BF138803.D
 Acq: 06 Aug 2024 00:44

Tgt Ion:228 Resp: 45006
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.1 33.1
 229 19.9 15.4 23.0





#83

Chrysene

Concen: 8.412 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

Instrument :

BNA_F

ClientSampleId :

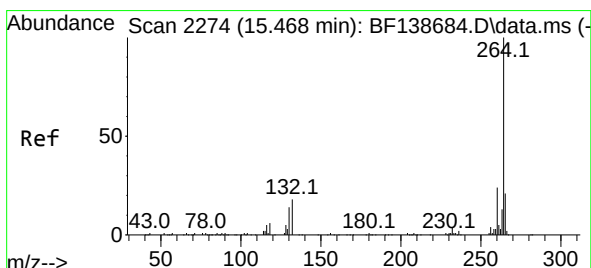
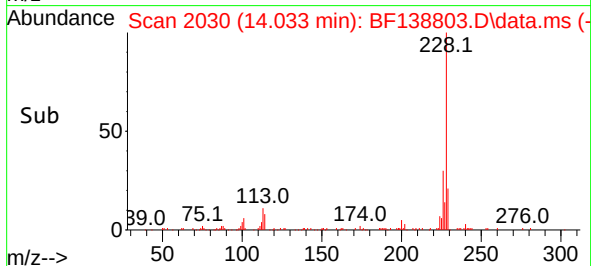
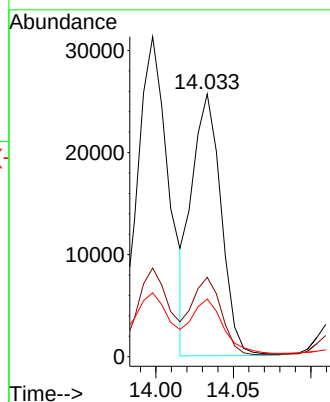
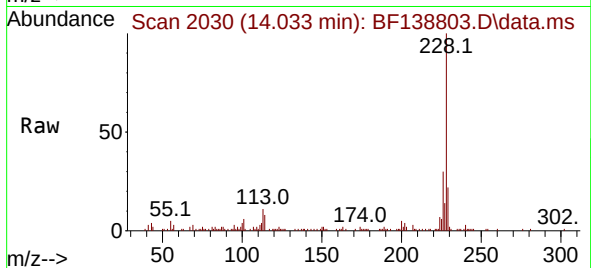
VNJ-220

Tgt Ion:	228	Resp:	33790
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.7	35.5
229	21.9	15.0	22.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#86

Perylene-d12

Concen: 20.000 ng

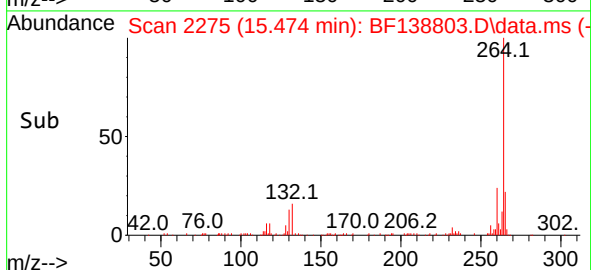
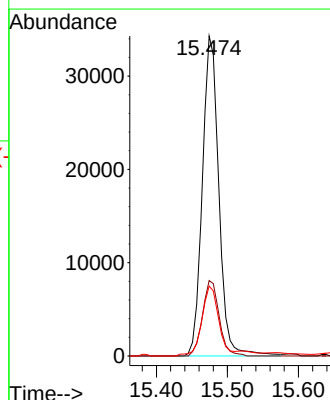
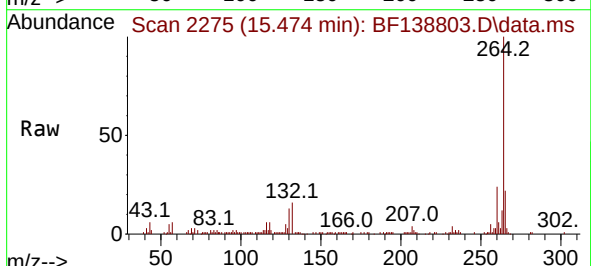
RT: 15.474 min Scan# 2275

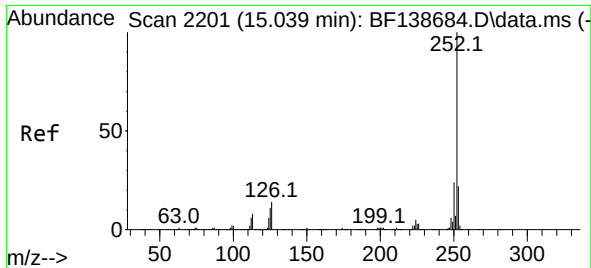
Delta R.T. 0.006 min

Lab File: BF138803.D

Acq: 06 Aug 2024 00:44

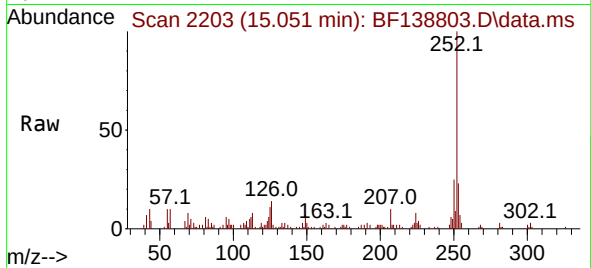
Tgt Ion:	264	Resp:	55578
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.6
265	21.8	17.0	25.6





#88
Benzo(b)fluoranthene
Concen: 6.520 ng m
RT: 15.051 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

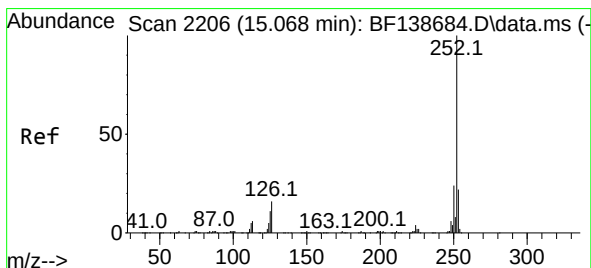
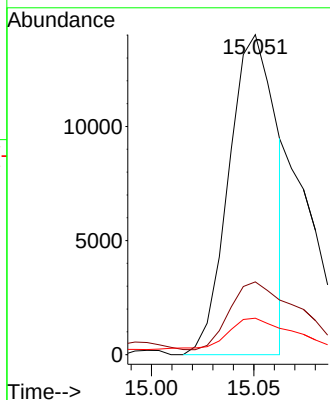
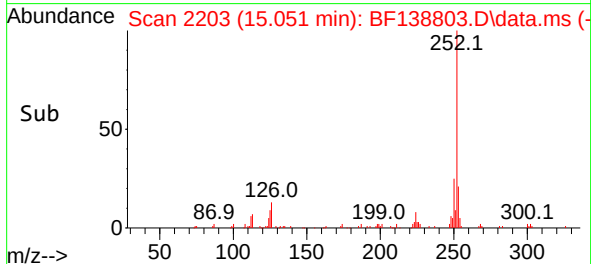
Instrument :
BNA_F
ClientSampleId :
VNJ-220



Tgt Ion:252 Resp: 2246
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.4 8.9 13.3

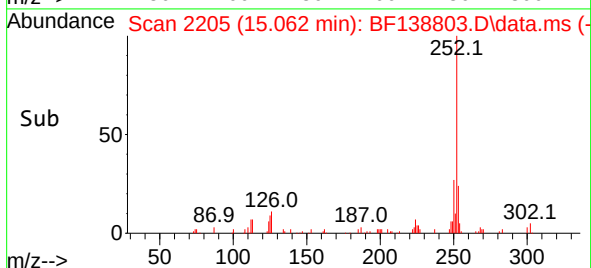
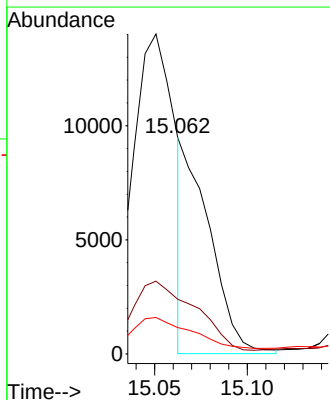
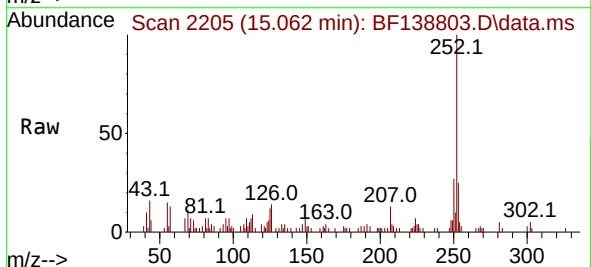
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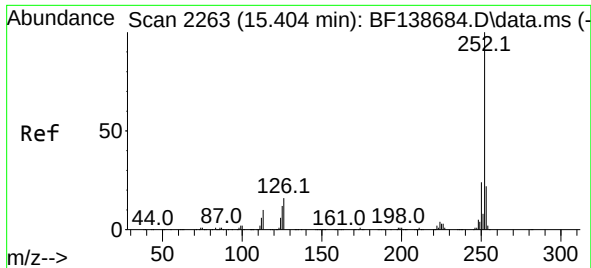
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#89
Benzo(k)fluoranthene
Concen: 3.102 ng m
RT: 15.062 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

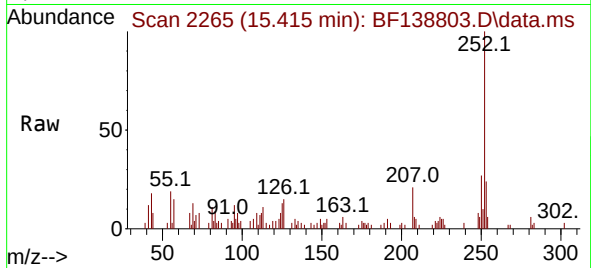
Tgt Ion:252 Resp: 9252
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.0
125 12.2 8.6 13.0





#90
Benzo(a)pyrene
Concen: 4.178 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138803.D
Acq: 06 Aug 2024 00:44

Instrument :
BNA_F
ClientSampleId :
VNJ-220



Tgt Ion:252 Resp: 1210
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 13.4 9.5 14.3

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Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

