

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
 Data File : BF138253.D
 Acq On : 19 Jun 2024 18:58
 Operator : CG\JU
 Sample : P2943-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 20 01:10:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	301739	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	1091320	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	494242	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	696668	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	523882	20.000	ng	-0.01
86) Perylene-d12	15.515	264	453725	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1440818	79.878	ng	0.00
7) Phenol-d6	6.510	99	1729679	75.623	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1016619	54.231	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	351046	71.347	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1796769	57.808	ng	-0.01
79) Terphenyl-d14	12.986	244	1654588	50.022	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	225398	6.542	ng	98
75) Fluoranthene	12.616	202	578696	16.472	ng	98
78) Pyrene	12.845	202	608519	13.466	ng	97
81) Benzo(a)anthracene	14.027	228	268792	7.997	ng	97
83) Chrysene	14.063	228	318508	9.942	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	155921	5.271	ng	95
88) Benzo(b)fluoranthene	15.080	252	402678m	15.050	ng	
89) Benzo(k)fluoranthene	15.110	252	147742m	5.634	ng	
90) Benzo(a)pyrene	15.445	252	232846	10.130	ng	99
92) Benzo(g,h,i)perylene	17.427	276	156414	6.228	ng	98

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

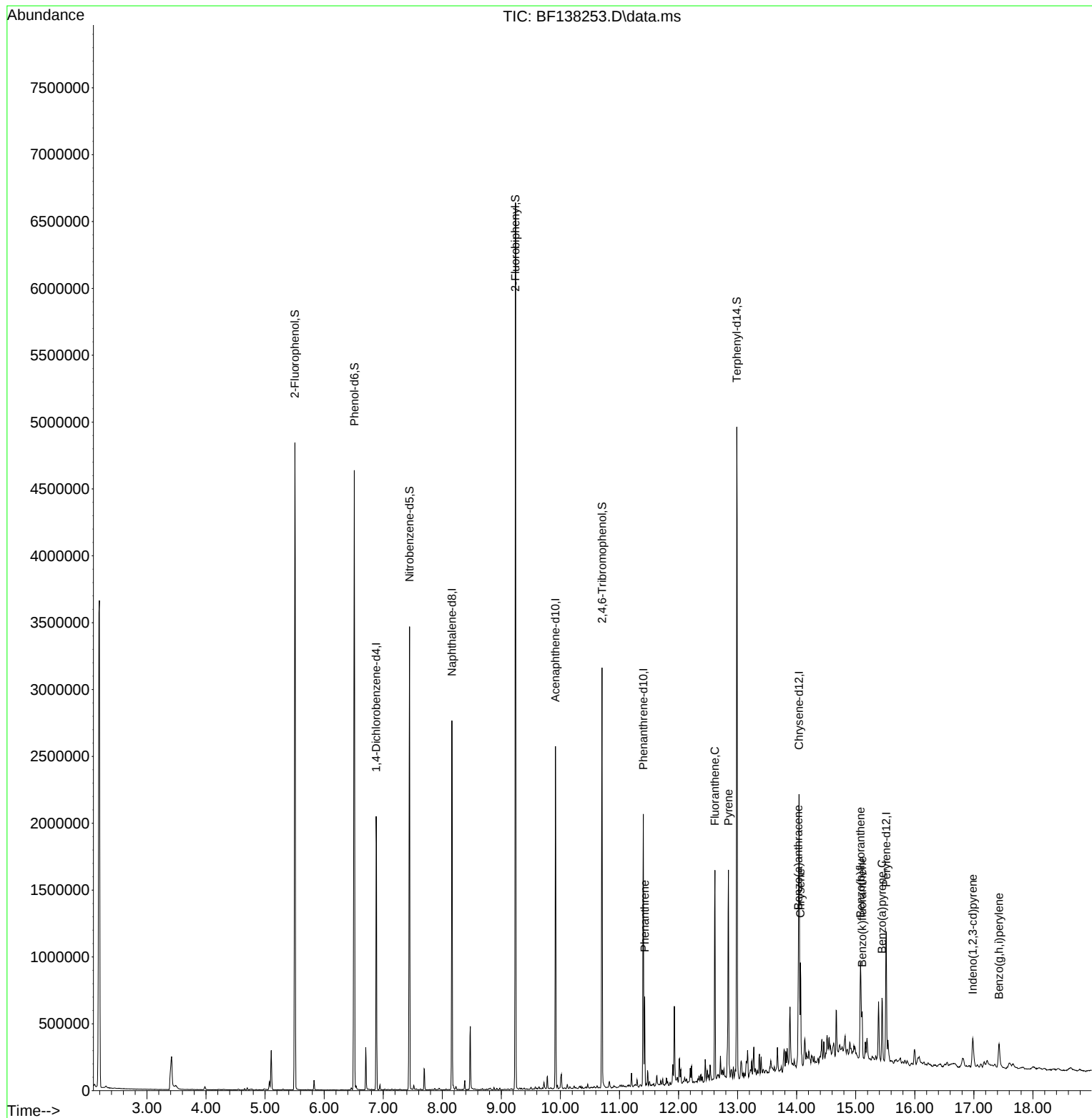
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
Data File : BF138253.D
Acq On : 19 Jun 2024 18:58
Operator : CG\JU
Sample : P2943-01
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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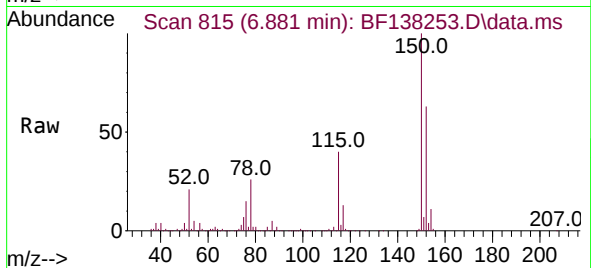
Quant Time: Jun 20 01:10:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

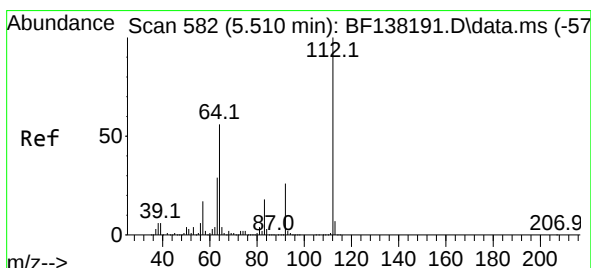
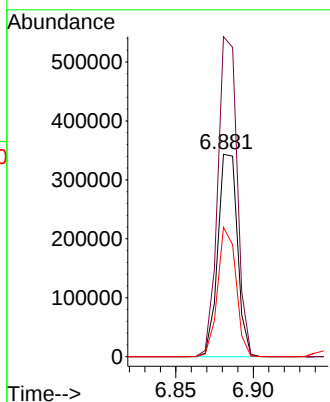
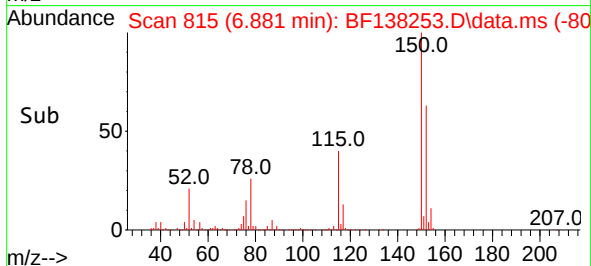
Instrument :
BNA_F
ClientSampleId :
VNJ-212



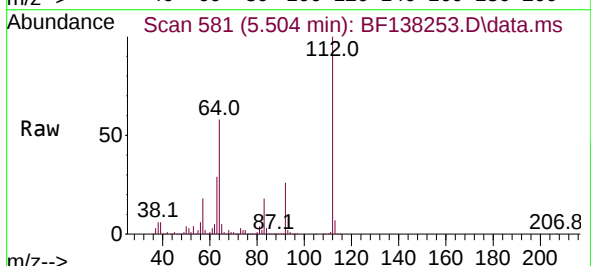
Tgt Ion:152 Resp: 301739
Ion Ratio Lower Upper
152 100
150 158.1 125.0 187.4
115 64.0 48.4 72.6

Manual Integrations
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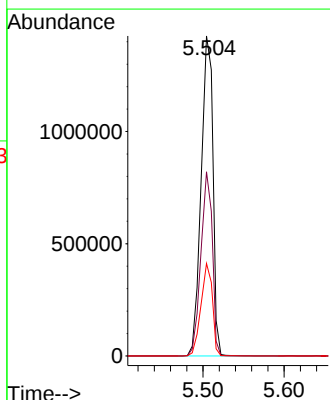
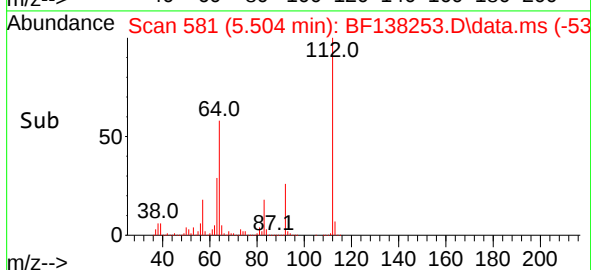
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024

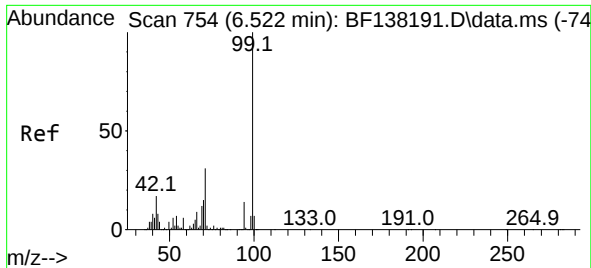


#5
2-Fluorophenol
Concen: 79.878 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58



Tgt Ion:112 Resp: 1440818
Ion Ratio Lower Upper
112 100
64 57.6 45.2 67.8
63 28.9 22.9 34.3





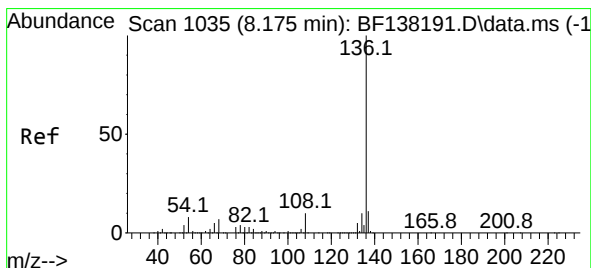
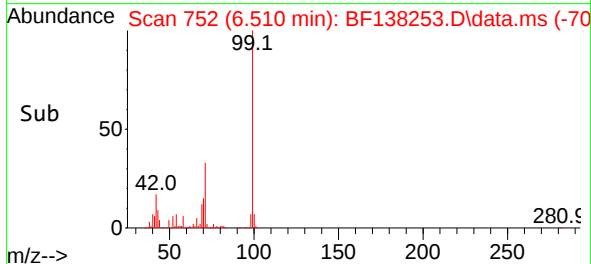
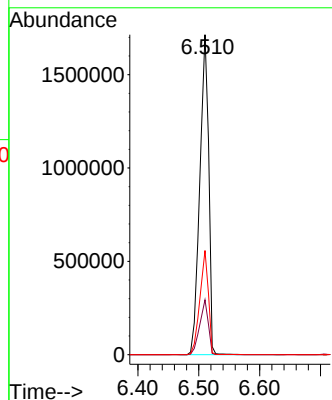
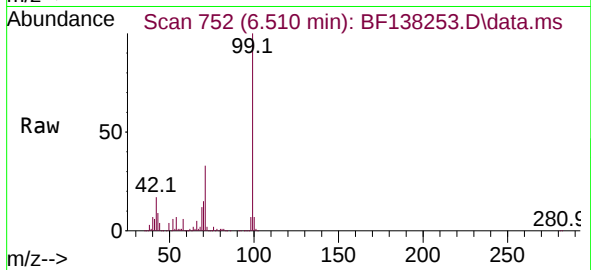
#7
Phenol-d6
Concen: 75.623 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Instrument :
BNA_F
ClientSampleId :
VNJ-212

Tgt Ion: 99 Resp: 1729679
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 32.6 25.0 37.6

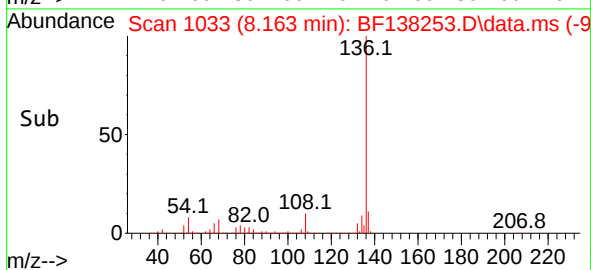
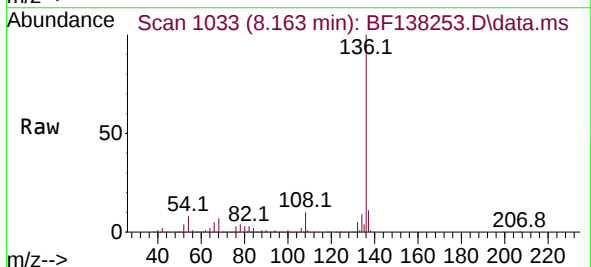
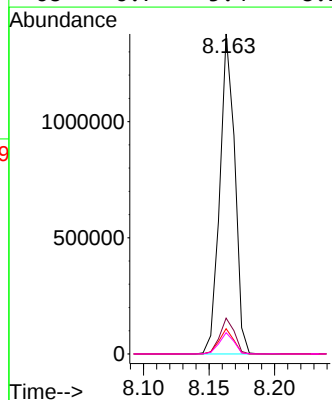
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Supervised By :mohammad ahmed 06/21/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

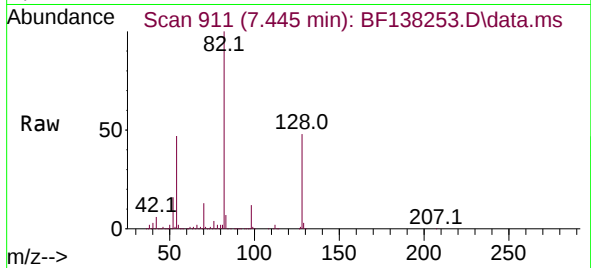
Tgt Ion:136 Resp: 1091320
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.9 6.6 10.0
68 6.7 5.4 8.2





#23
Nitrobenzene-d5
Concen: 54.231 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

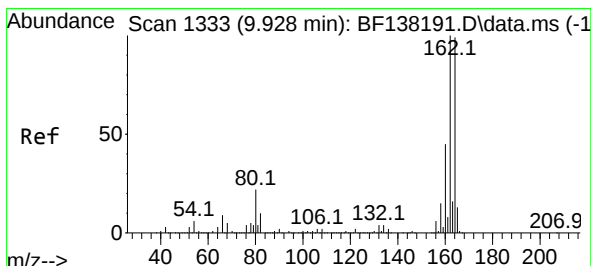
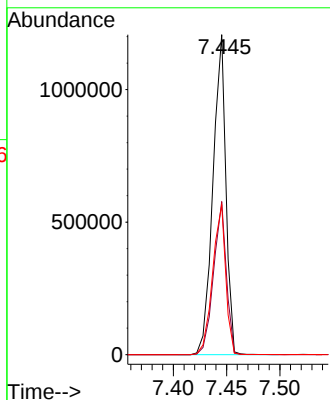
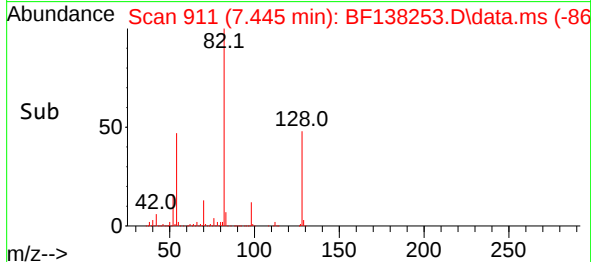
Instrument :
BNA_F
ClientSampleId :
VNJ-212



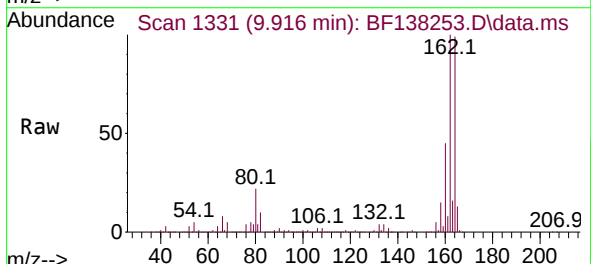
Tgt Ion: 82 Resp: 1016619
Ion Ratio Lower Upper
82 100
128 47.8 37.2 55.8
54 46.9 39.8 59.6

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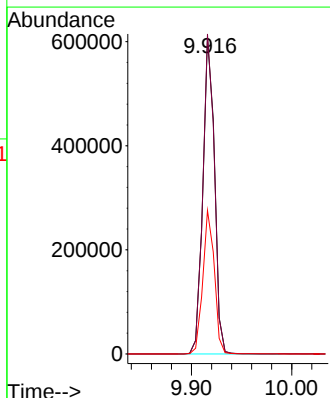
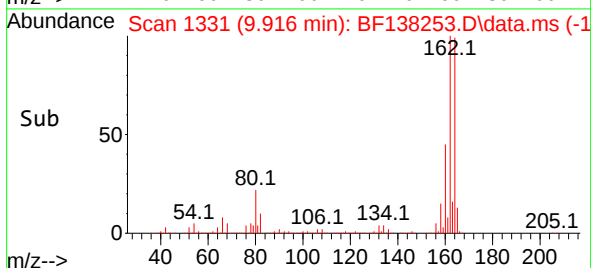
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58



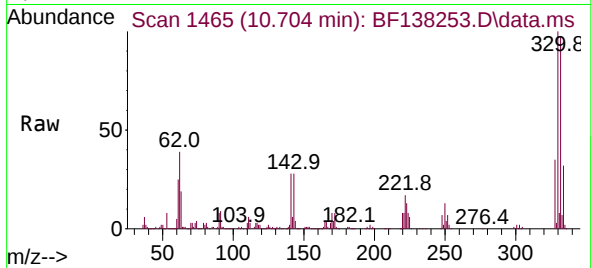
Tgt Ion:164 Resp: 494242
Ion Ratio Lower Upper
164 100
162 101.0 80.6 121.0
160 45.3 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 71.347 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

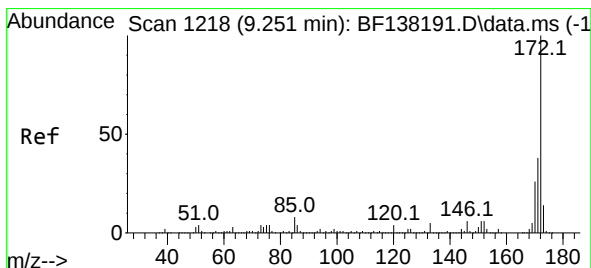
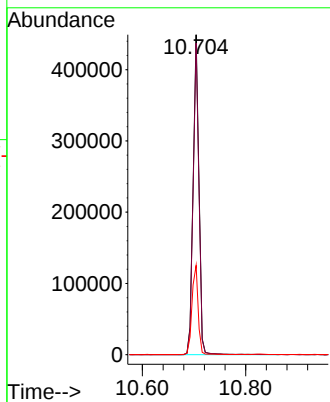
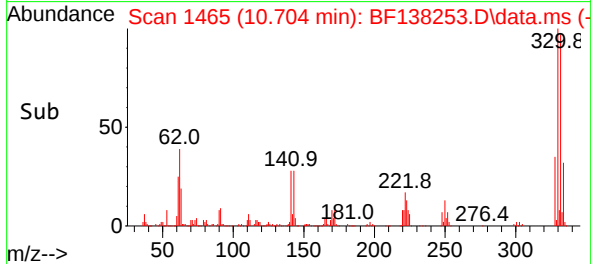
Instrument :
BNA_F
ClientSampleId :
VNJ-212



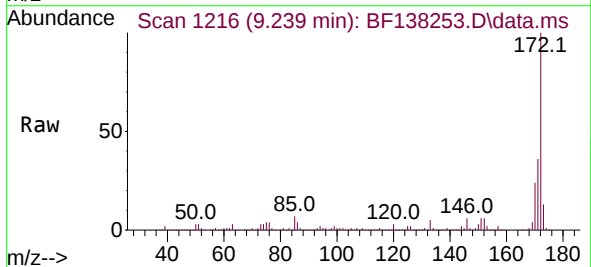
Tgt Ion:330 Resp: 351040
Ion Ratio Lower Upper
330 100
332 96.6 76.6 115.0
141 29.3 23.9 35.9

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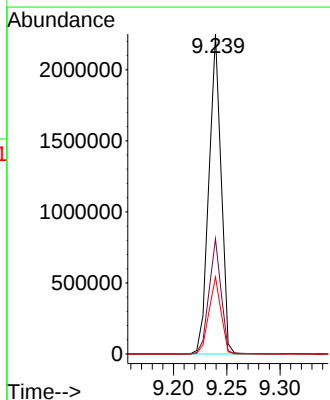
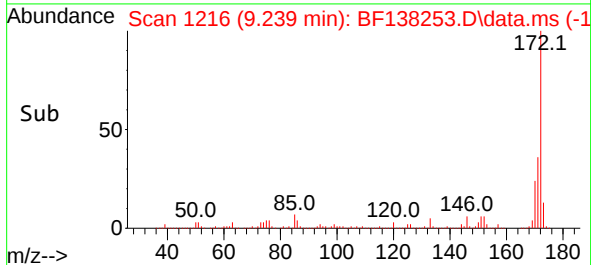
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#45
2-Fluorobiphenyl
Concen: 57.808 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58



Tgt Ion:172 Resp: 1796769
Ion Ratio Lower Upper
172 100
171 36.0 30.3 45.5
170 24.0 20.6 30.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

VNJ-212

Tgt Ion:188 Resp: 696668

Ion Ratio Lower Upper

188 100

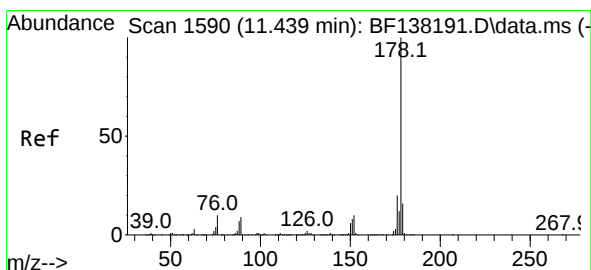
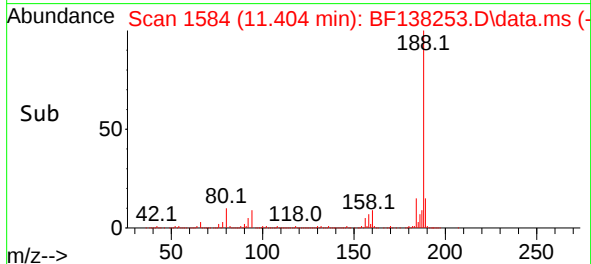
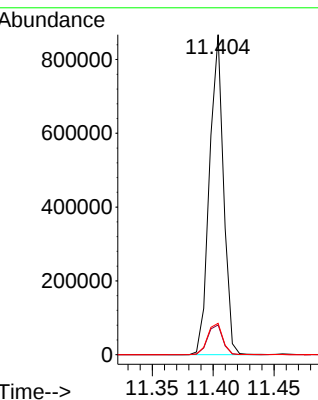
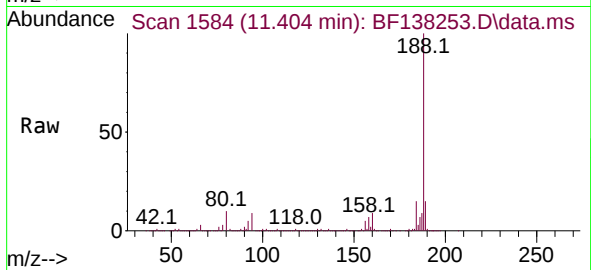
94 9.3 7.6 11.4

80 9.8 8.1 12.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#71

Phenanthrene

Concen: 6.542 ng

RT: 11.428 min Scan# 1588

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

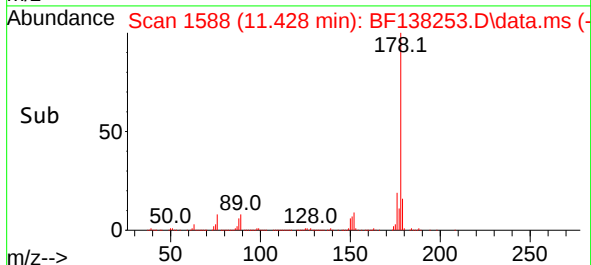
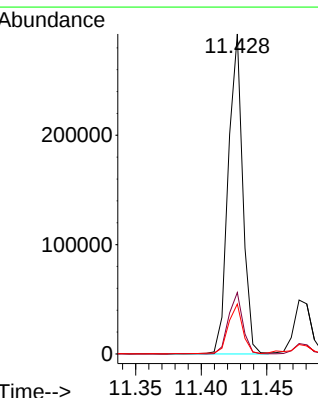
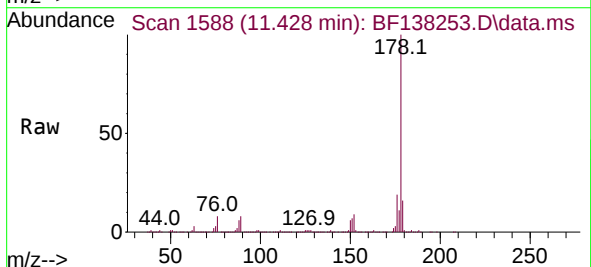
Tgt Ion:178 Resp: 225398

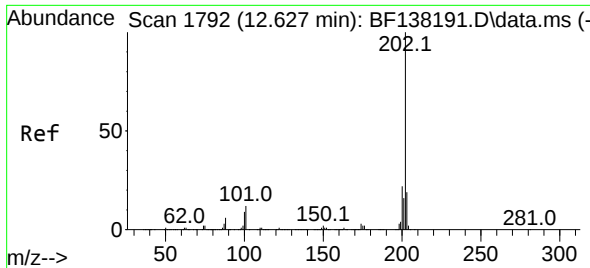
Ion Ratio Lower Upper

178 100

176 19.2 16.4 24.6

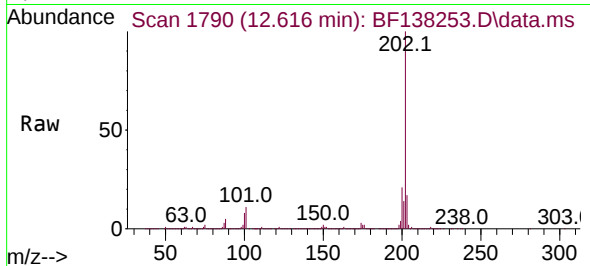
179 15.6 13.1 19.7





#75
Fluoranthene
Concen: 16.472 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

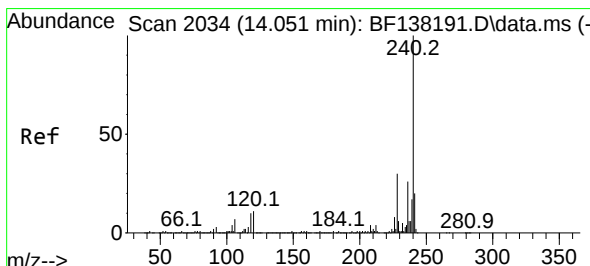
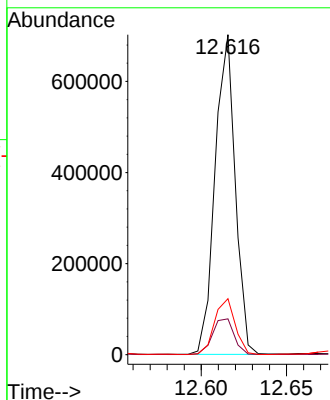
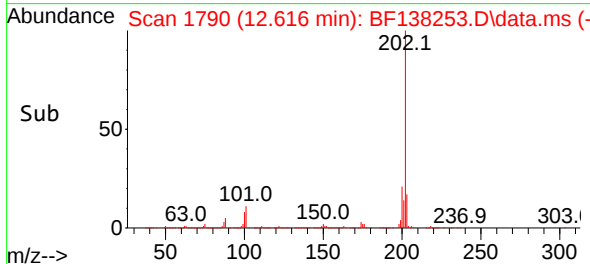
Instrument :
BNA_F
ClientSampleId :
VNJ-212



Tgt Ion:202 Resp: 578690
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.8
203 17.5 0.0 38.6

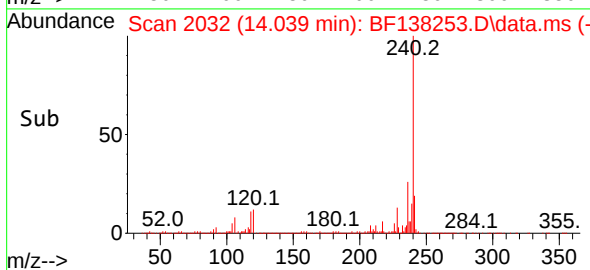
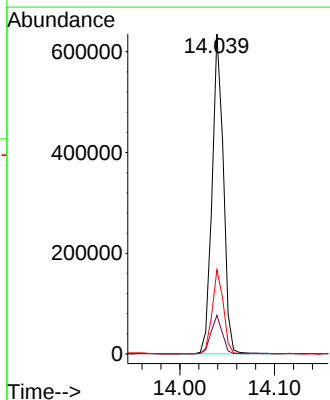
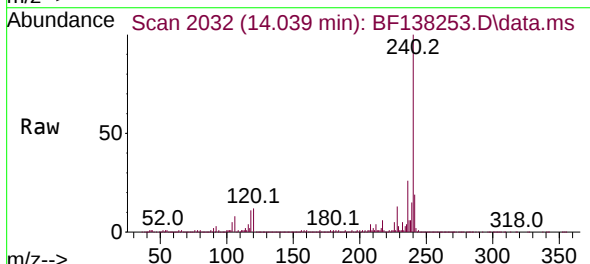
Manual Integrations
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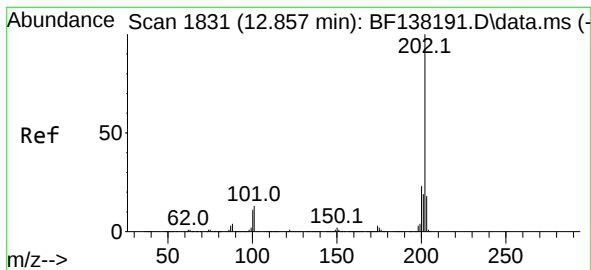
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion:240 Resp: 523882
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 26.3 21.0 31.6





#78

Pyrene

Concen: 13.466 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

VNJ-212

Tgt Ion:202 Resp: 608519

Ion Ratio Lower Upper

202 100

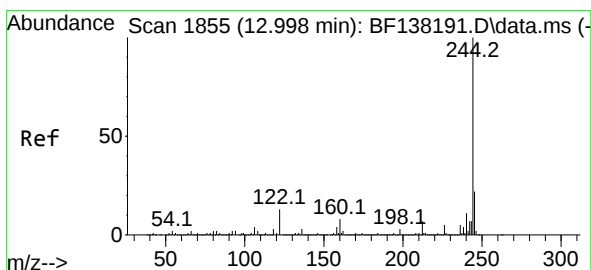
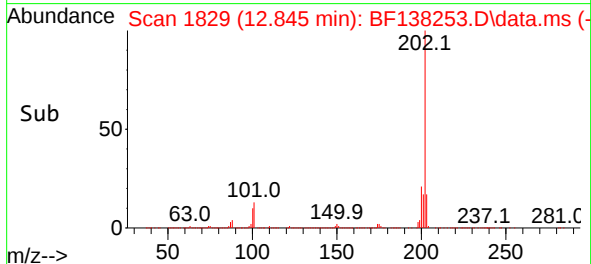
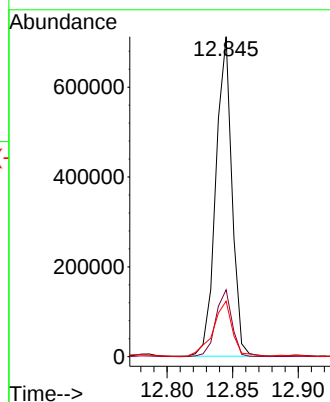
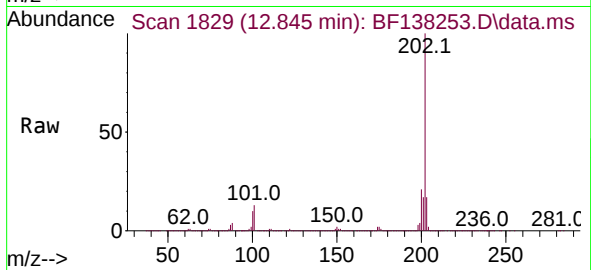
200 20.9 18.0 27.0

203 17.3 14.7 22.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#79

Terphenyl-d14

Concen: 50.022 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

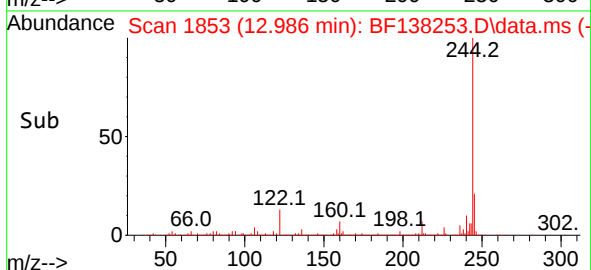
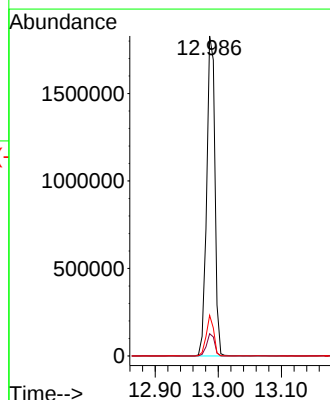
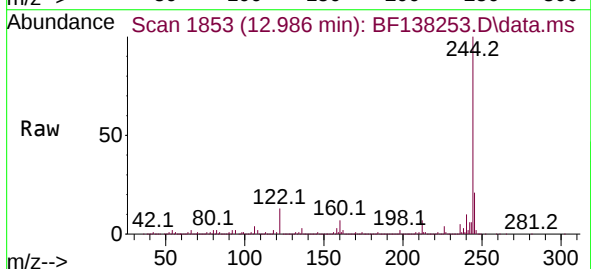
Tgt Ion:244 Resp: 1654588

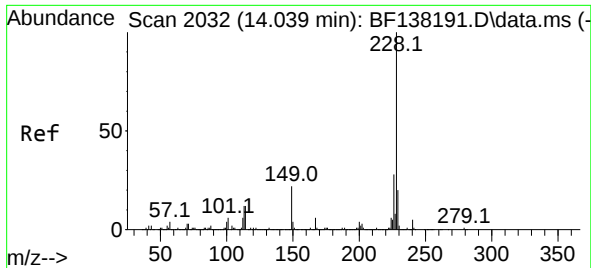
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 12.7 10.6 15.8





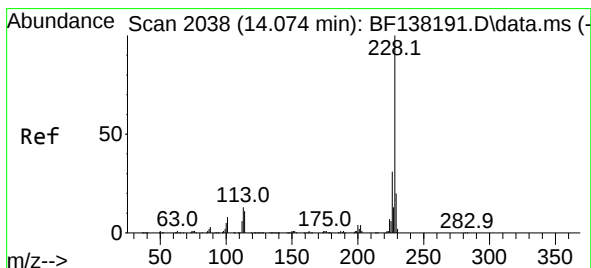
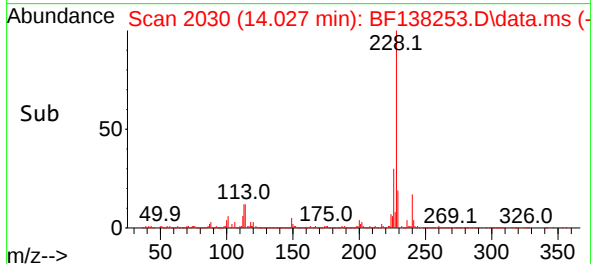
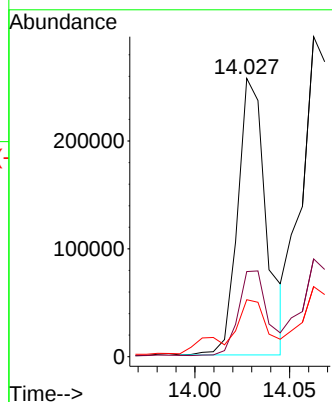
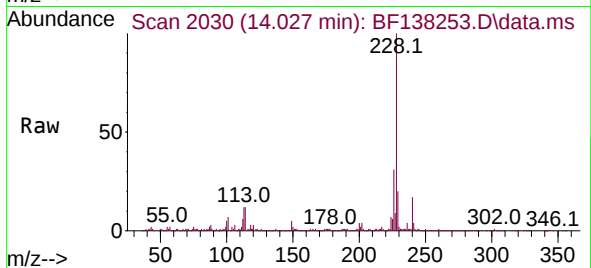
#81
Benzo(a)anthracene
Concen: 7.997 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Instrument :
BNA_F
ClientSampleId :
VNJ-212

Tgt Ion:228 Resp: 268792
Ion Ratio Lower Upper
228 100
226 30.6 22.5 33.7
229 20.5 16.3 24.5

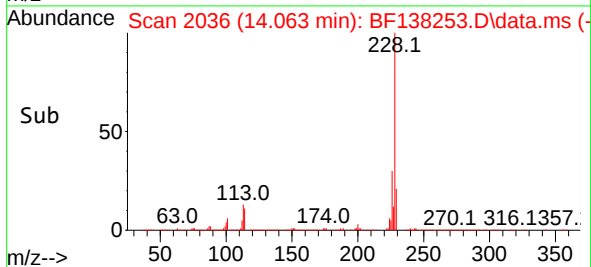
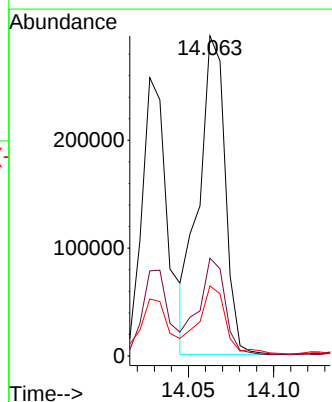
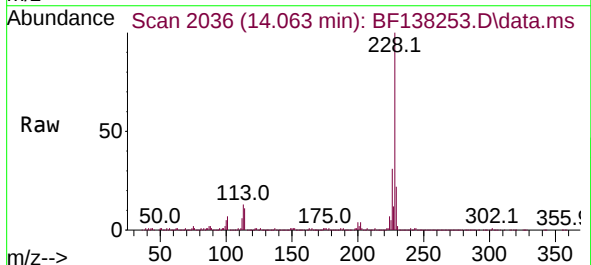
Manual Integrations
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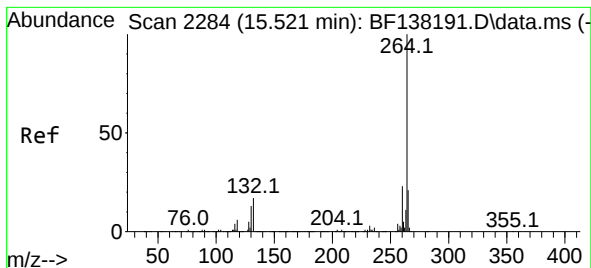
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#83
Chrysene
Concen: 9.942 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF138253.D
Acq: 19 Jun 2024 18:58

Tgt Ion:228 Resp: 318508
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 21.9 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

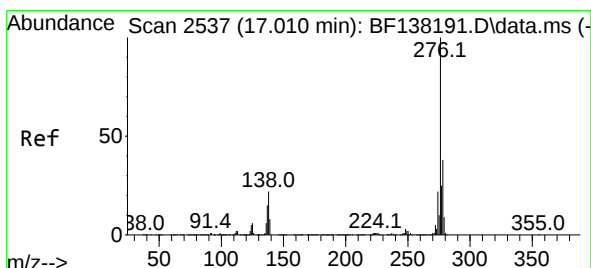
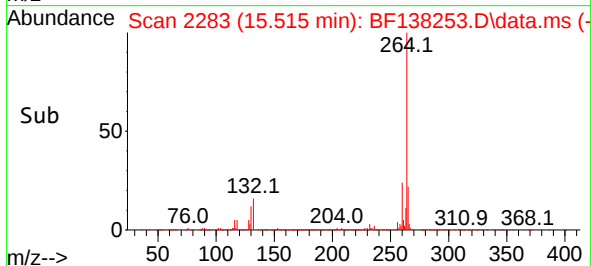
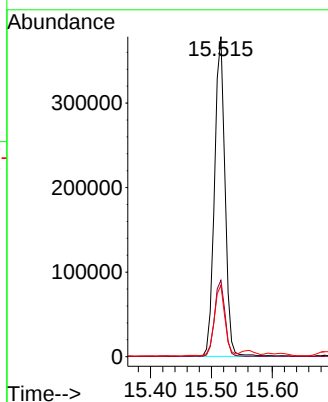
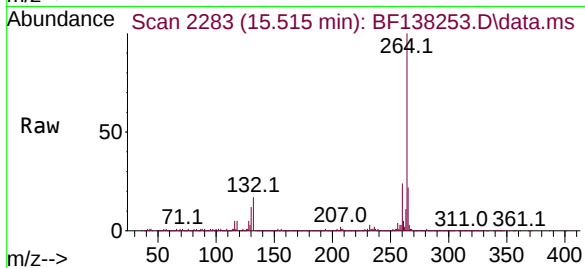
VNJ-212

Tgt Ion:264 Resp: 453725
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 22.3 17.0 25.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.271 ng

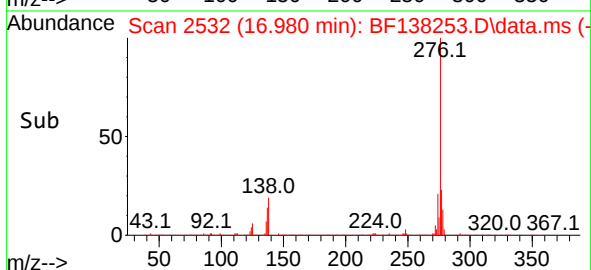
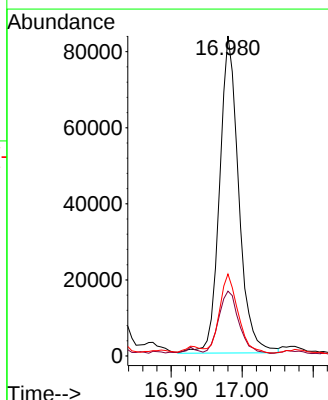
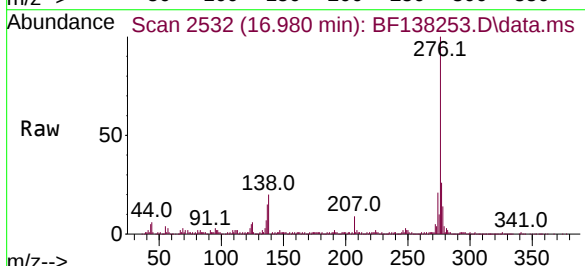
RT: 16.980 min Scan# 2532

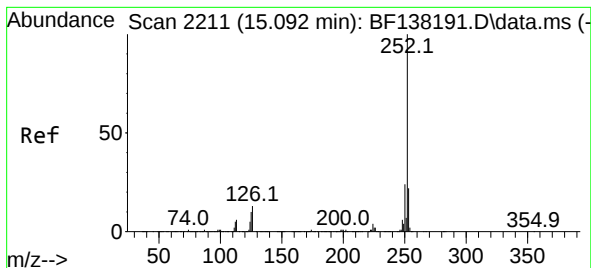
Delta R.T. -0.029 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Tgt Ion:276 Resp: 155921
 Ion Ratio Lower Upper
 276 100
 138 20.6 19.3 28.9
 277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 15.050 ng m

RT: 15.080 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

VNJ-212

Tgt Ion:252 Resp: 402678

Ion Ratio Lower Upper

252 100

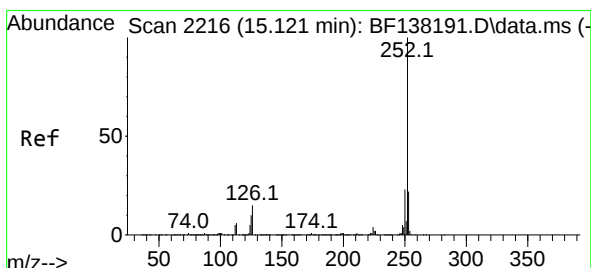
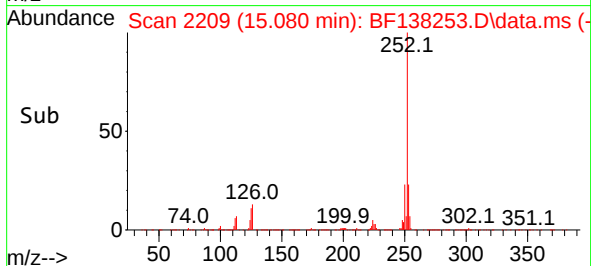
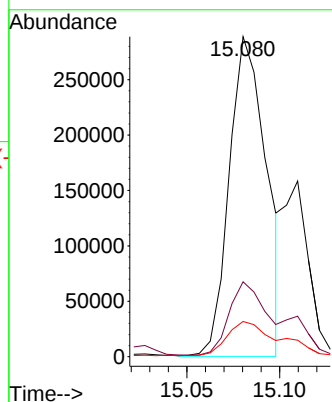
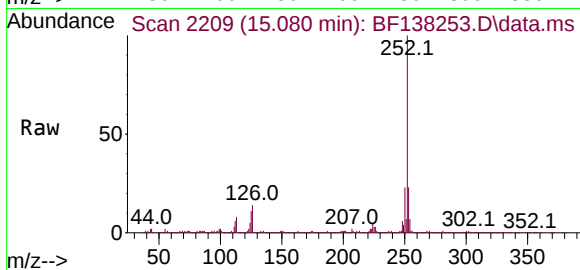
253 23.4 17.7 26.5

125 11.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#89

Benzo(k)fluoranthene

Concen: 5.634 ng m

RT: 15.110 min Scan# 2214

Delta R.T. -0.012 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

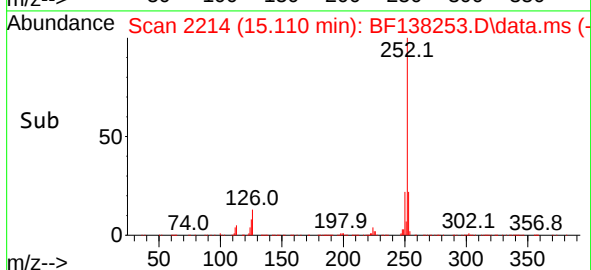
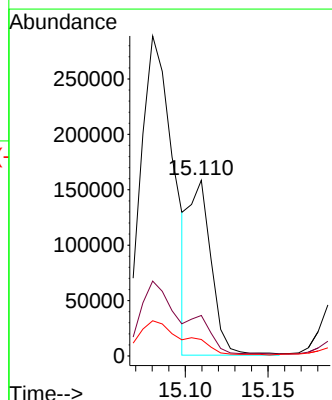
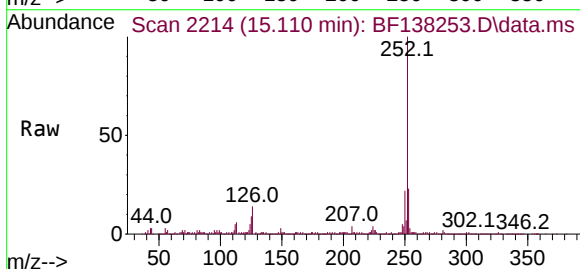
Tgt Ion:252 Resp: 147742

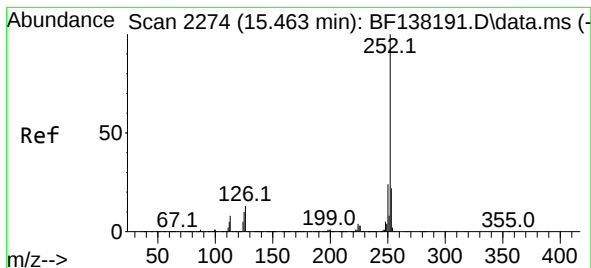
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 9.4 8.0 12.0





#90

Benzo(a)pyrene

Concen: 10.130 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Instrument :

BNA_F

ClientSampleId :

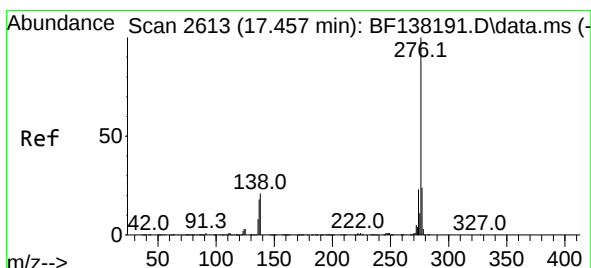
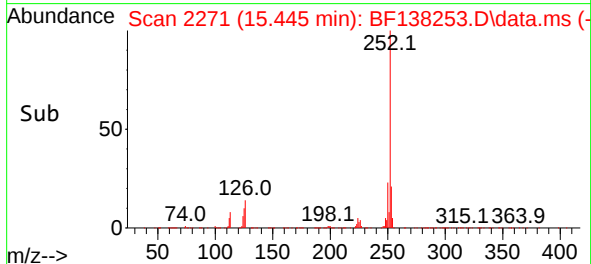
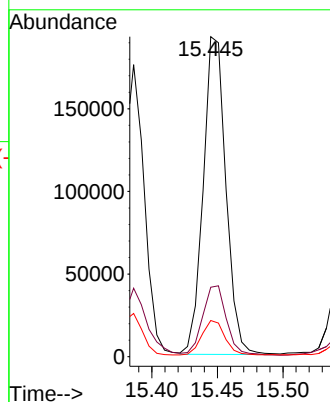
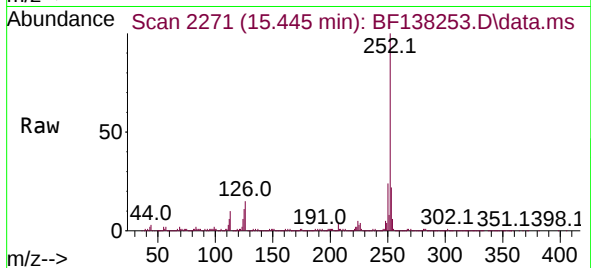
VNJ-212

Tgt Ion:252 Resp: 232840
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.7 26.5
 125 11.3 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024



#92

Benzo(g,h,i)perylene

Concen: 6.228 ng

RT: 17.427 min Scan# 2608

Delta R.T. -0.029 min

Lab File: BF138253.D

Acq: 19 Jun 2024 18:58

Tgt Ion:276 Resp: 156414
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.5 29.3
 138 23.0 16.6 24.8

