

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
 Data File : BF138049.D
 Acq On : 28 May 2024 16:07
 Operator : CG\JU
 Sample : P2616-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
 Supervised By :mohammad ahmed 05/30/2024

Quant Time: May 28 16:33:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.033	152	148683	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	542183	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	253807	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	338565	20.000	ng	# 0.00
76) Chrysene-d12	14.227	240	282676	20.000	ng	0.00
86) Perylene-d12	15.798	264	223233	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	713966	81.568	ng	0.00
7) Phenol-d6	6.651	99	867775	80.481	ng	0.00
23) Nitrobenzene-d5	7.598	82	515259	55.928	ng	-0.01
42) 2,4,6-Tribromophenol	10.874	330	172839	67.538	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	993019	60.268	ng	0.00
79) Terphenyl-d14	13.162	244	826193	43.076	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.598	178	150716	9.033	ng	99
75) Fluoranthene	12.798	202	238473	14.082	ng	100
78) Pyrene	13.027	202	203130	8.216	ng	99
81) Benzo(a)anthracene	14.221	228	97405	5.447	ng	98
83) Chrysene	14.257	228	106781	6.243	ng	97
87) Indeno(1,2,3-cd)pyrene	17.421	276	34220	2.386	ng	95
88) Benzo(b)fluoranthene	15.321	252	109241m	8.452	ng	
89) Benzo(k)fluoranthene	15.351	252	35895m	2.827	ng	
90) Benzo(a)pyrene	15.727	252	63582	5.761	ng	# 97
92) Benzo(g,h,i)perylene	17.921	276	34963	2.809	ng	94

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

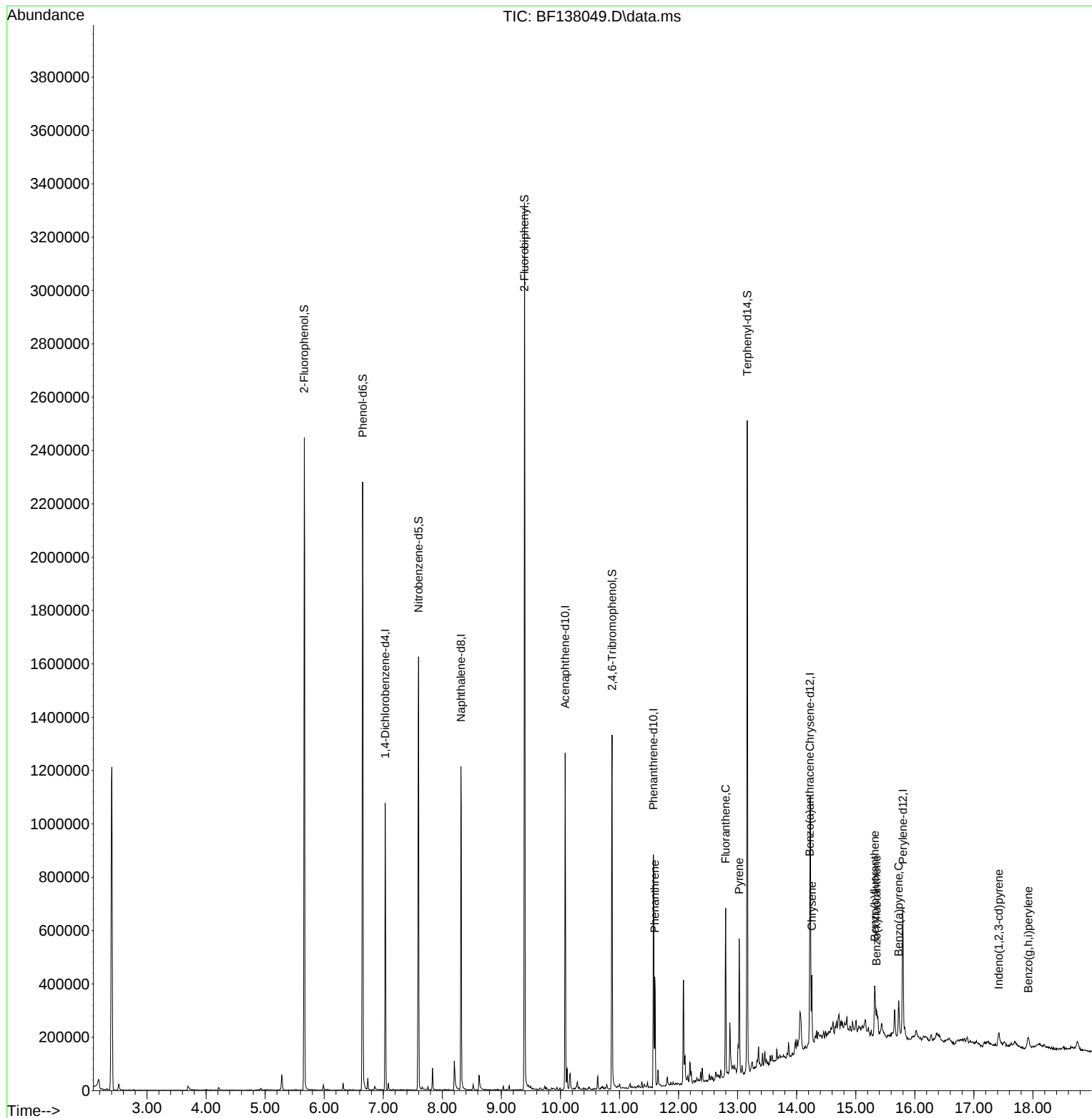
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
Data File : BF138049.D
Acq On : 28 May 2024 16:07
Operator : CG\JU
Sample : P2616-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

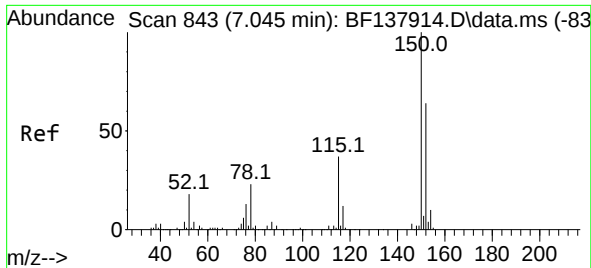
Instrument :
BNA_F
ClientSampleId :
VNJ-206

Quant Time: May 28 16:33:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

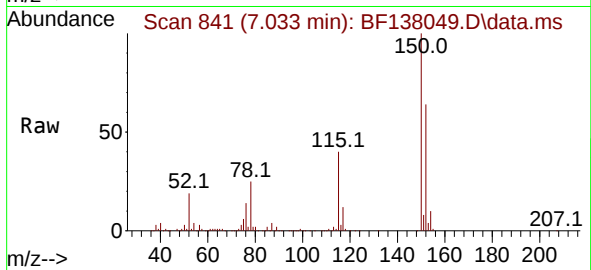
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.033 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

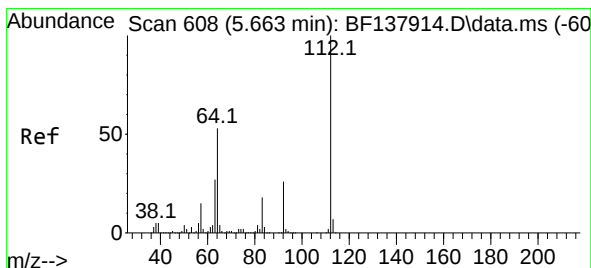
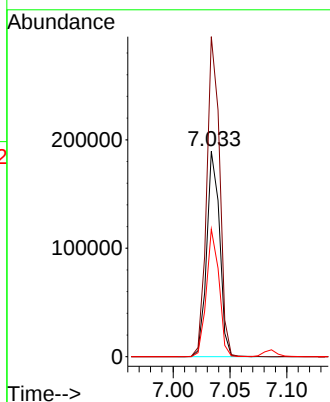
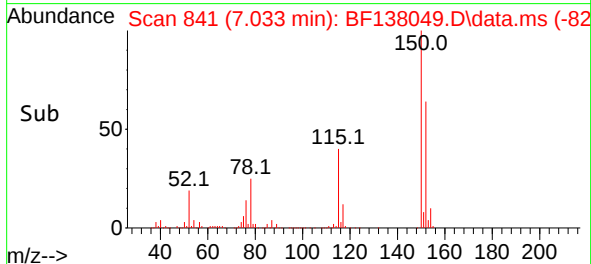
Instrument :
BNA_F
ClientSampleId :
VNJ-206



Tgt Ion:152 Resp: 14868
Ion Ratio Lower Upper
152 100
150 155.9 125.7 188.5
115 62.1 47.0 70.6

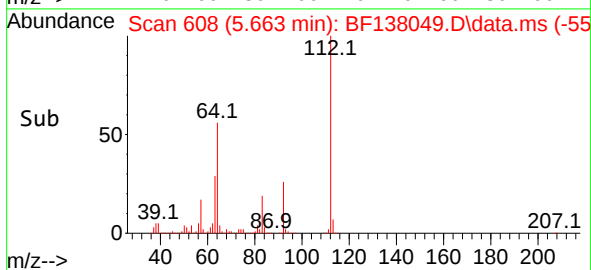
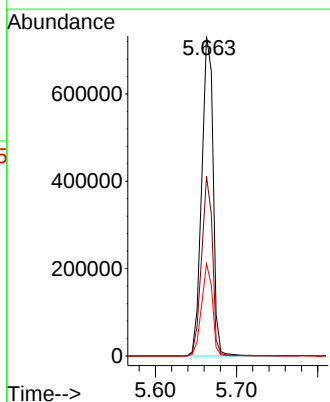
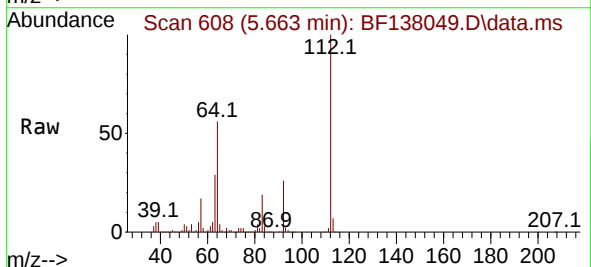
Manual Integrations
APPROVED

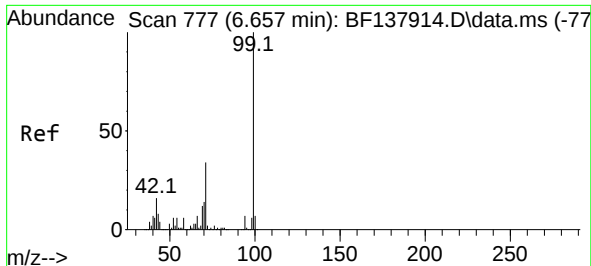
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#5
2-Fluorophenol
Concen: 81.568 ng
RT: 5.663 min Scan# 608
Delta R.T. -0.000 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

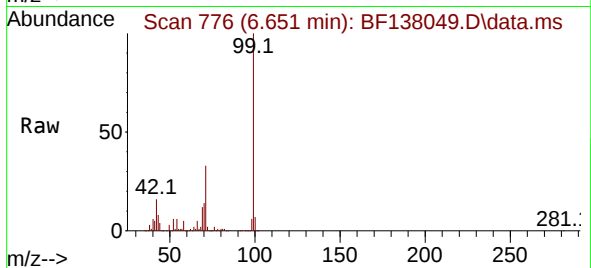
Tgt Ion:112 Resp: 713966
Ion Ratio Lower Upper
112 100
64 56.2 42.4 63.6
63 28.8 21.4 32.2





#7
Phenol-d6
Concen: 80.481 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

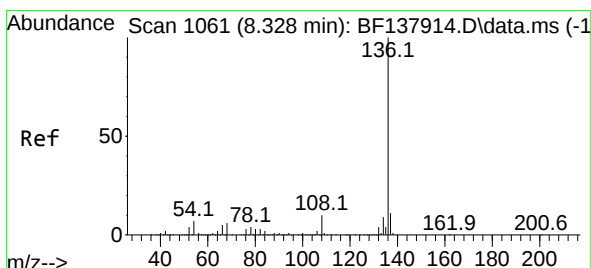
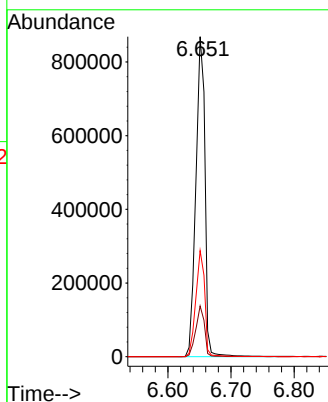
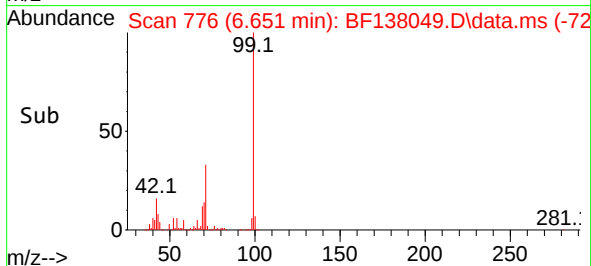
Instrument :
BNA_F
ClientSampleId :
VNJ-206



Tgt Ion: 99 Resp: 867775
Ion Ratio Lower Upper
99 100
42 15.8 12.6 18.8
71 33.1 27.1 40.7

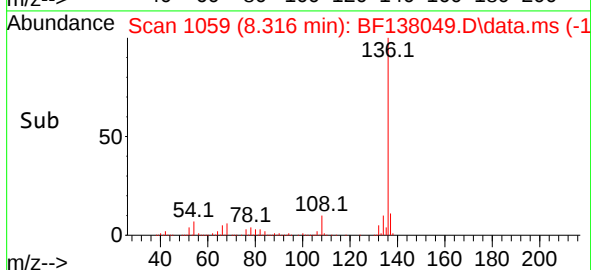
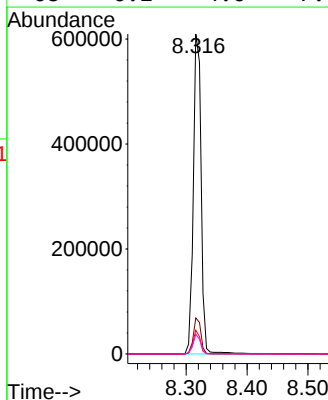
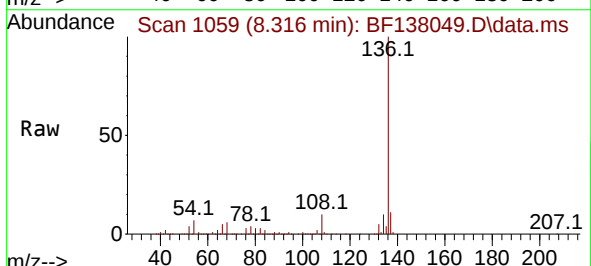
Manual Integrations
APPROVED

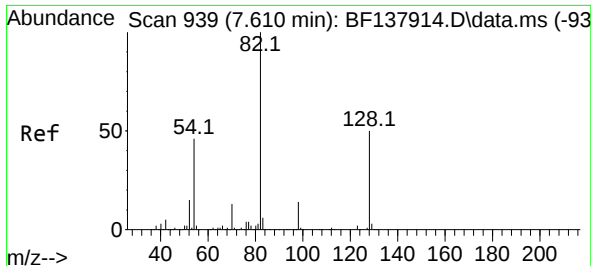
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

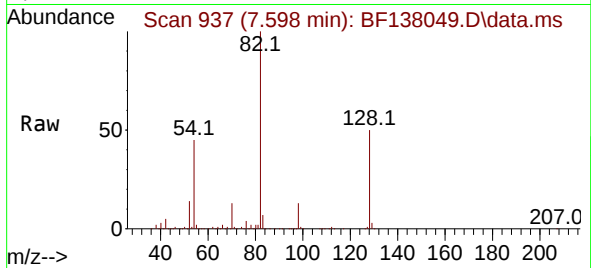
Tgt Ion:136 Resp: 542183
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 7.4 5.4 8.2
68 6.2 4.6 7.0





#23
Nitrobenzene-d5
Concen: 55.928 ng
RT: 7.598 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

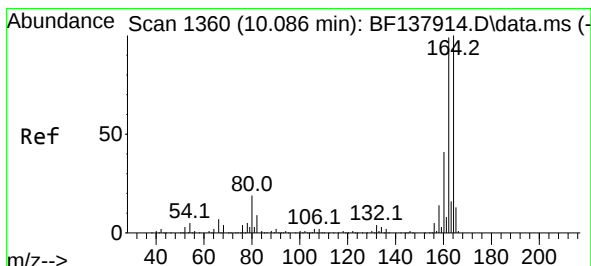
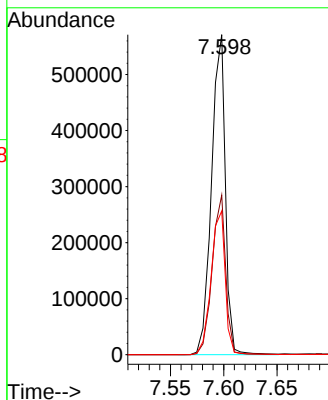
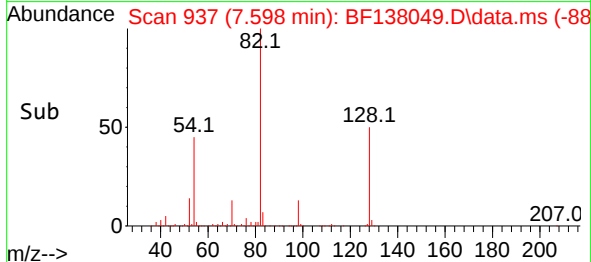
Instrument :
BNA_F
ClientSampleId :
VNJ-206



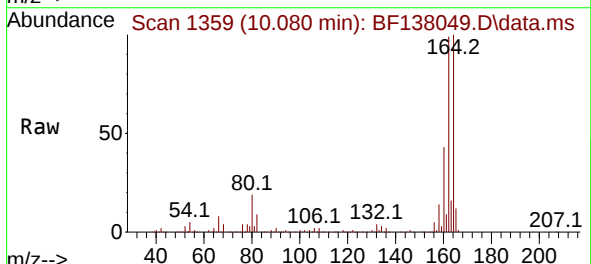
Tgt Ion: 82 Resp: 515259
Ion Ratio Lower Upper
82 100
128 49.9 40.3 60.5
54 44.9 36.8 55.2

Manual Integrations
APPROVED

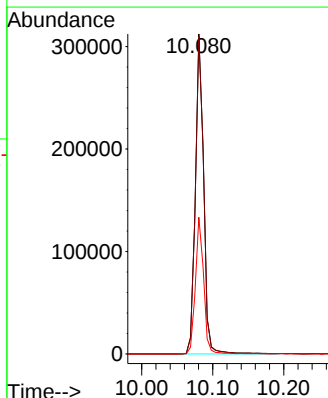
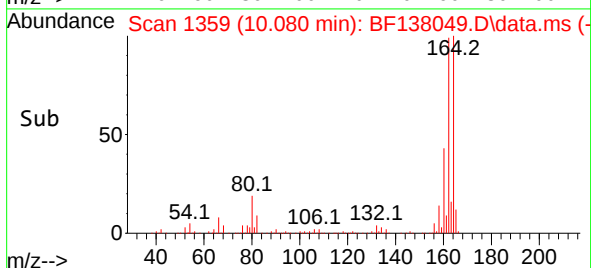
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07



Tgt Ion:164 Resp: 253807
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.2
160 42.7 33.1 49.7





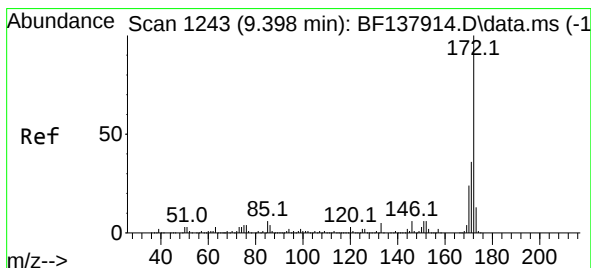
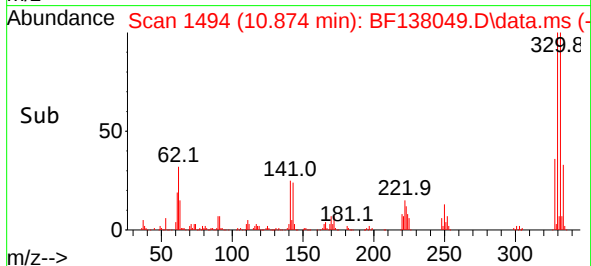
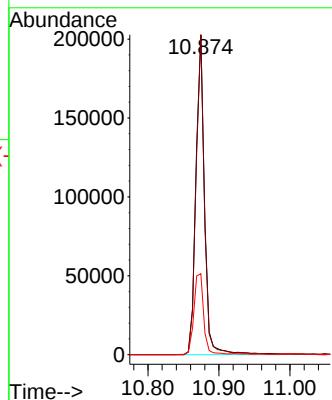
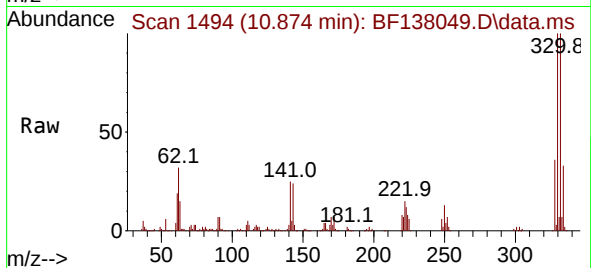
#42
2,4,6-Tribromophenol
Concen: 67.538 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

Instrument :
BNA_F
ClientSampleId :
VNJ-206

Tgt Ion:330 Resp: 172839
Ion Ratio Lower Upper
330 100
332 98.1 75.8 113.8
141 28.6 23.8 35.6

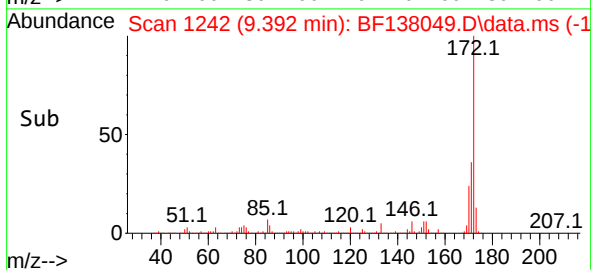
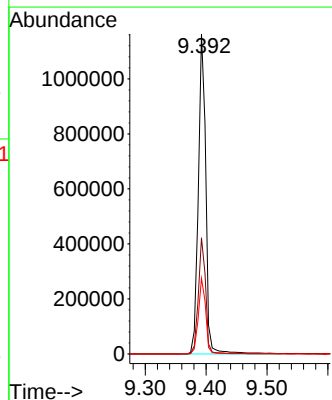
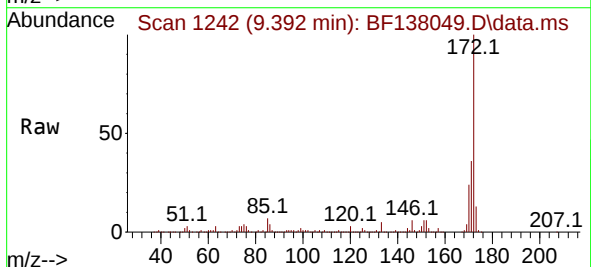
Manual Integrations
APPROVED

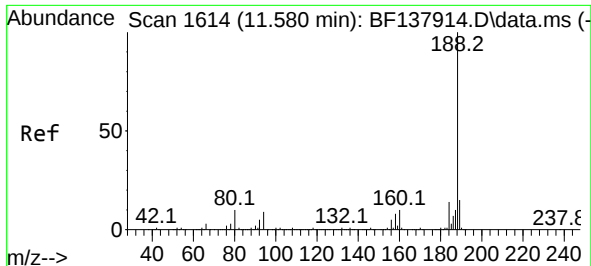
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#45
2-Fluorobiphenyl
Concen: 60.268 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

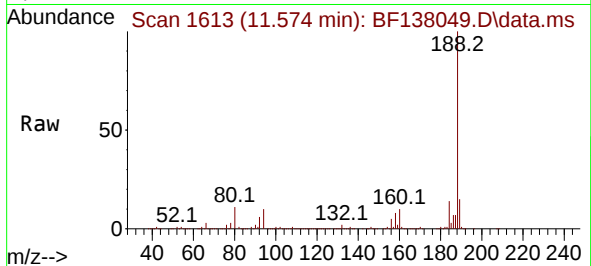
Tgt Ion:172 Resp: 993019
Ion Ratio Lower Upper
172 100
171 36.3 28.9 43.3
170 23.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.574 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

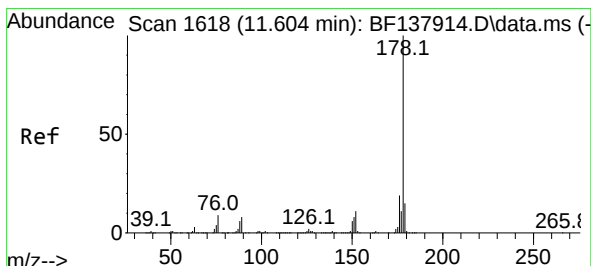
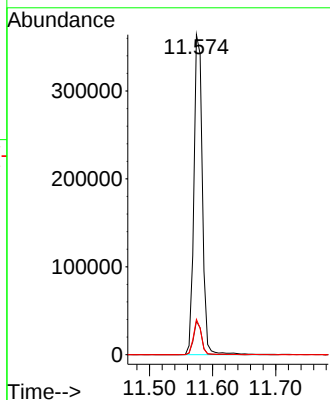
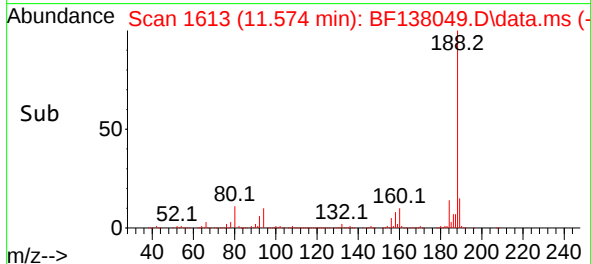
Instrument :
BNA_F
ClientSampleId :
VNJ-206



Tgt Ion:188 Resp: 33856
Ion Ratio Lower Upper
188 100
94 10.5 7.0 10.4
80 11.0 7.7 11.5

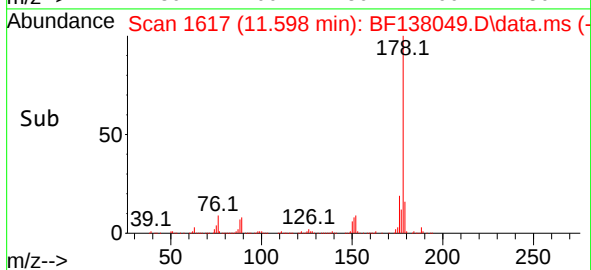
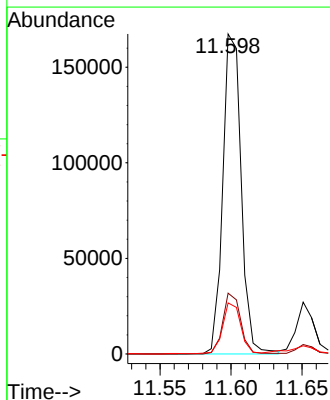
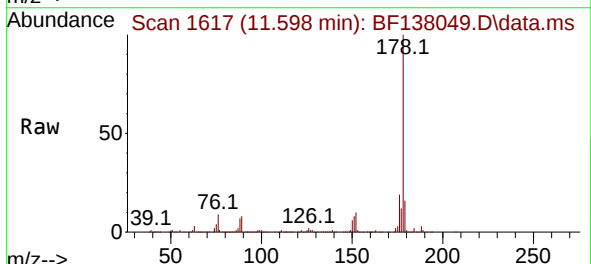
Manual Integrations
APPROVED

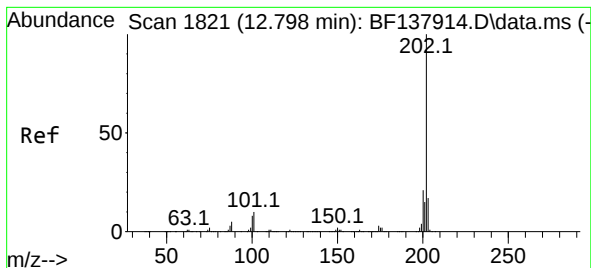
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#71
Phenanthrene
Concen: 9.033 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

Tgt Ion:178 Resp: 150716
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 16.0 12.2 18.4





#75

Fluoranthene

Concen: 14.082 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.000 min

Lab File: BF138049.D

Acq: 28 May 2024 16:07

Instrument :

BNA_F

ClientSampleId :

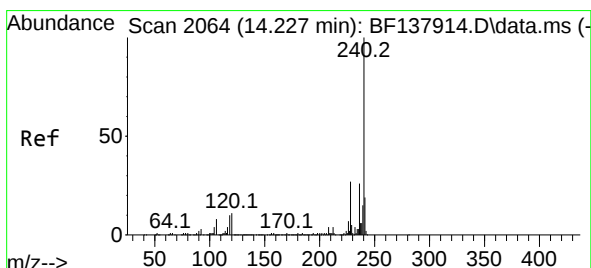
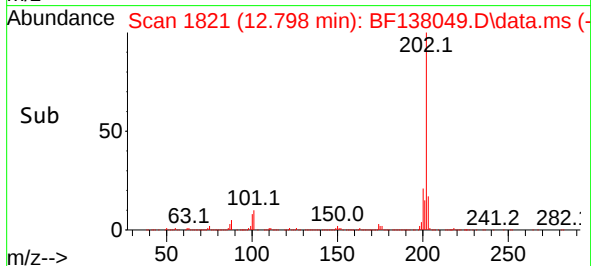
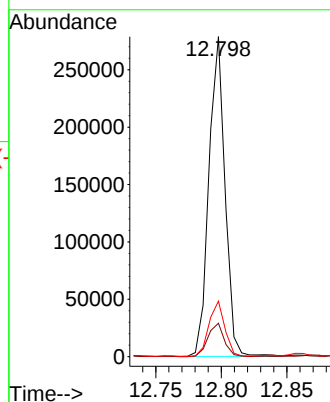
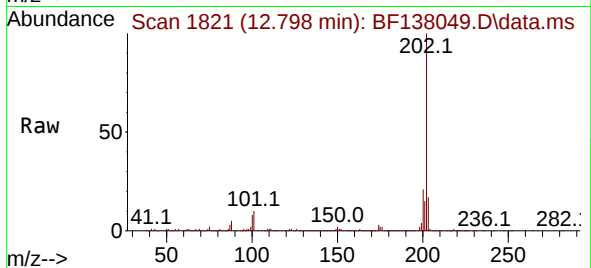
VNJ-206

Tgt Ion:	202	Resp:	23847
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	30.5
203	17.3	0.0	37.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#76

Chrysene-d12

Concen: 20.000 ng

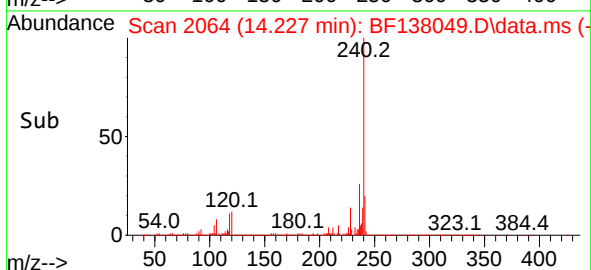
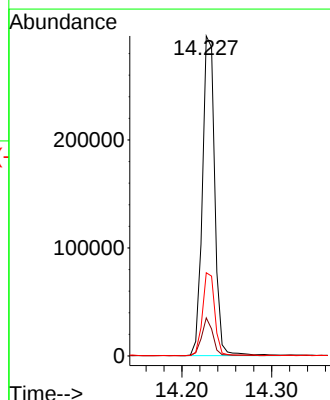
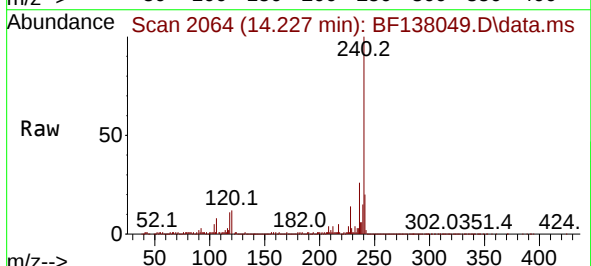
RT: 14.227 min Scan# 2064

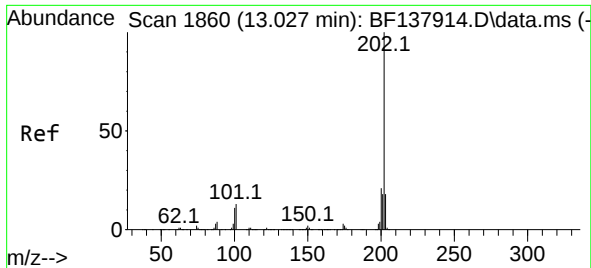
Delta R.T. -0.000 min

Lab File: BF138049.D

Acq: 28 May 2024 16:07

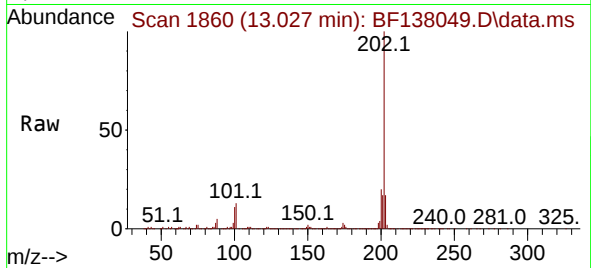
Tgt Ion:	240	Resp:	282676
Ion Ratio	Lower	Upper	
240	100		
120	11.9	8.9	13.3
236	26.0	21.0	31.4





#78
Pyrene
Concen: 8.216 ng
RT: 13.027 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

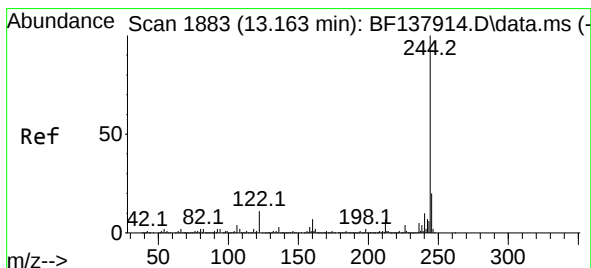
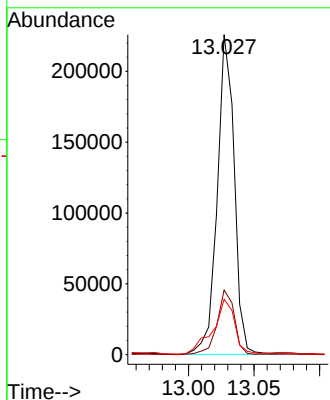
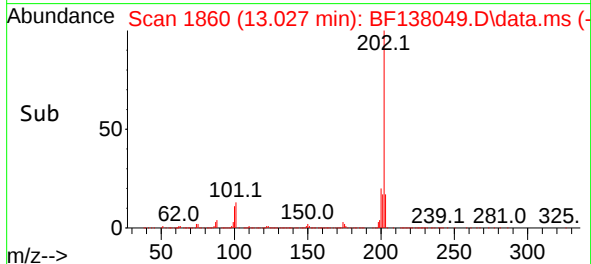
Instrument :
BNA_F
ClientSampleId :
VNJ-206



Tgt Ion:202 Resp: 203130
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.4
203 17.3 14.1 21.1

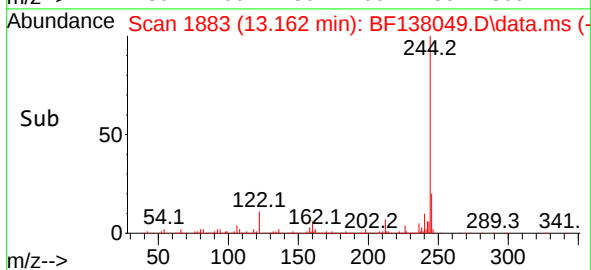
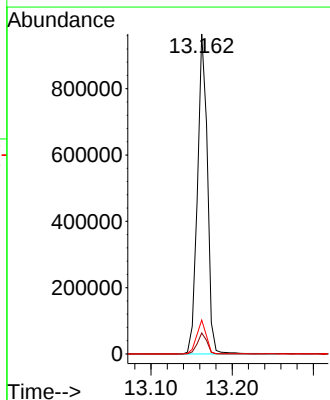
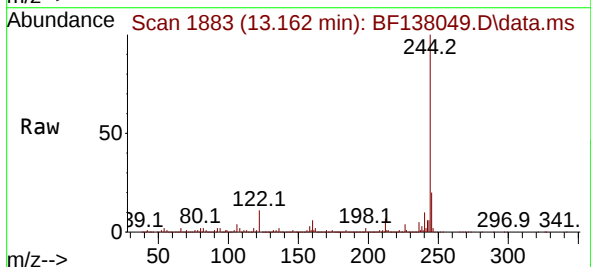
Manual Integrations
APPROVED

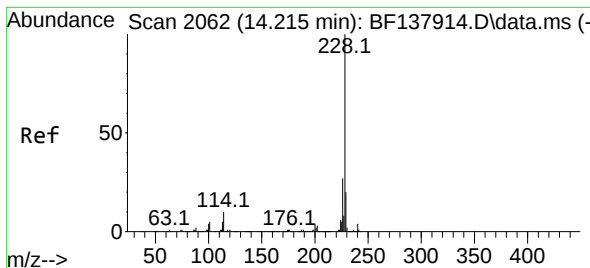
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#79
Terphenyl-d14
Concen: 43.076 ng
RT: 13.162 min Scan# 1883
Delta R.T. -0.000 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

Tgt Ion:244 Resp: 826193
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 10.6 8.8 13.2





#81

Benzo(a)anthracene

Concen: 5.447 ng

RT: 14.221 min Scan# 2062

Delta R.T. 0.006 min

Lab File: BF138049.D

Acq: 28 May 2024 16:07

Instrument :

BNF_F

ClientSampleId :

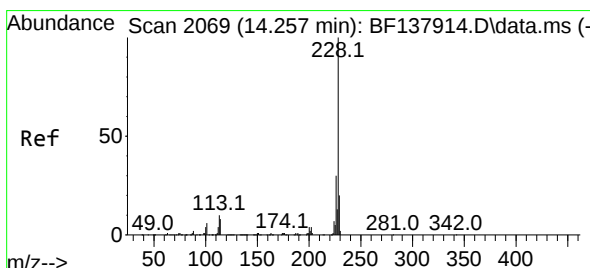
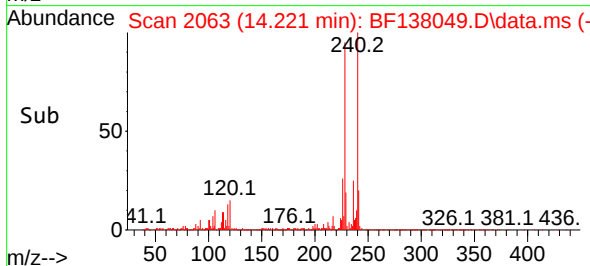
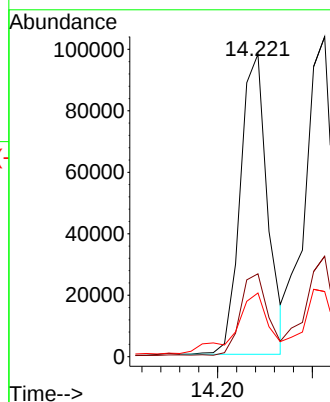
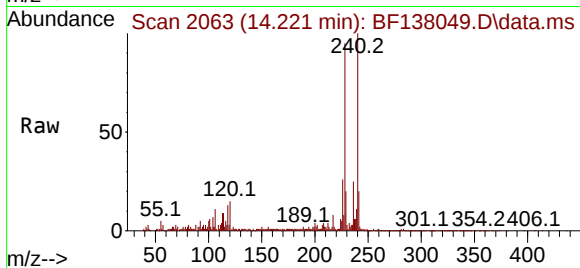
VNJ-206

Tgt Ion:	228	Resp:	9740
Ion Ratio	Lower	Upper	
228	100		
226	27.4	21.3	31.9
229	21.1	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#83

Chrysene

Concen: 6.243 ng

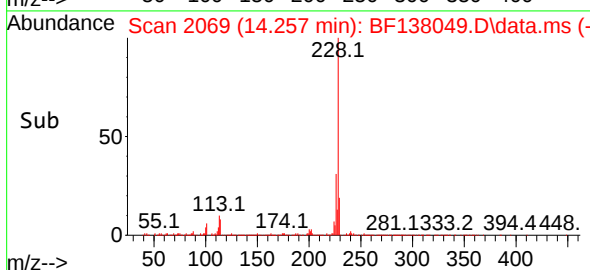
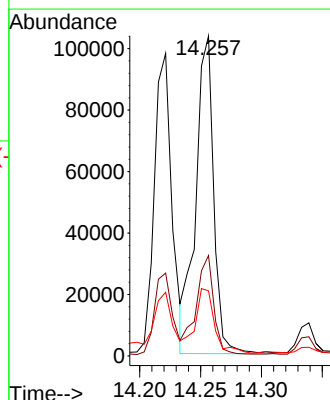
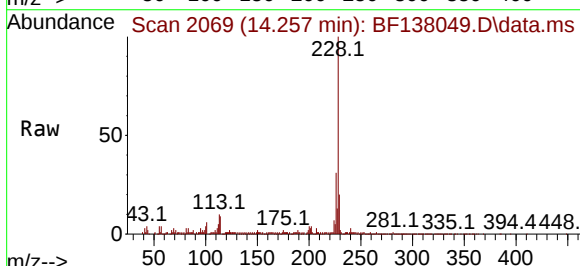
RT: 14.257 min Scan# 2069

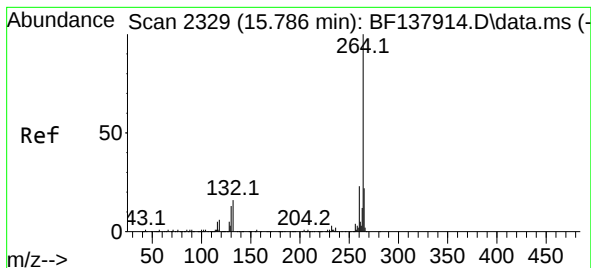
Delta R.T. -0.000 min

Lab File: BF138049.D

Acq: 28 May 2024 16:07

Tgt Ion:	228	Resp:	106781
Ion Ratio	Lower	Upper	
228	100		
226	31.4	23.8	35.8
229	20.3	15.6	23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138049.D

Acq: 28 May 2024 16:07

Instrument :

BNA_F

ClientSampleId :

VNJ-206

Tgt Ion:264 Resp: 22323

Ion Ratio Lower Upper

264 100

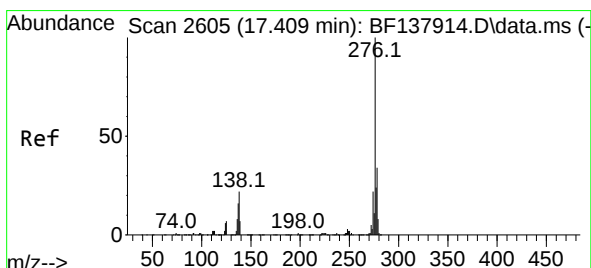
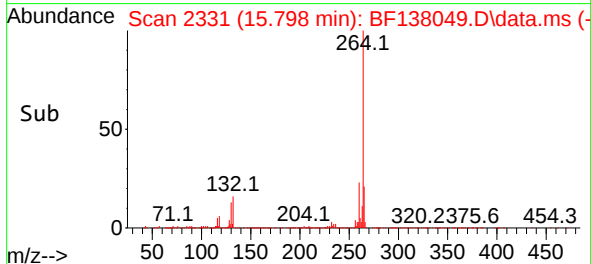
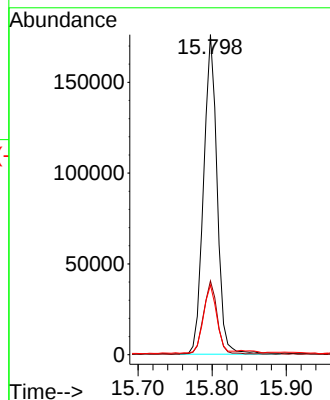
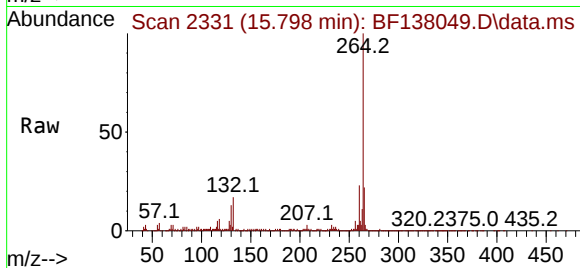
260 23.1 18.3 27.5

265 21.8 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.386 ng

RT: 17.421 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF138049.D

Acq: 28 May 2024 16:07

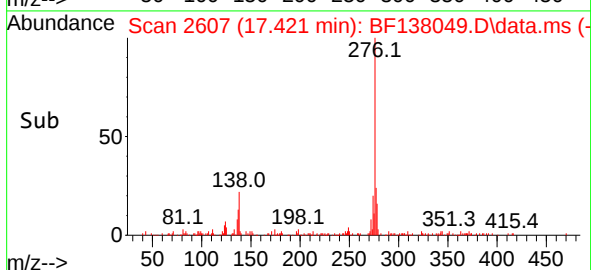
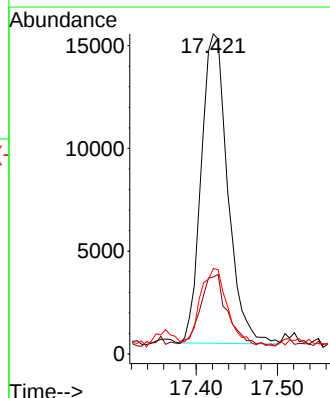
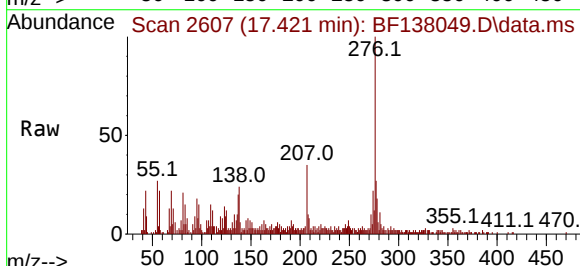
Tgt Ion:276 Resp: 34220

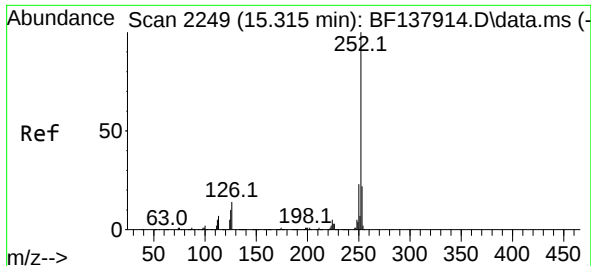
Ion Ratio Lower Upper

276 100

138 23.6 20.6 30.8

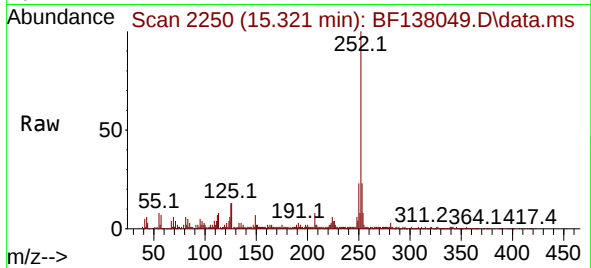
277 28.1 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 8.452 ng m
RT: 15.321 min Scan# 2249
Delta R.T. 0.006 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

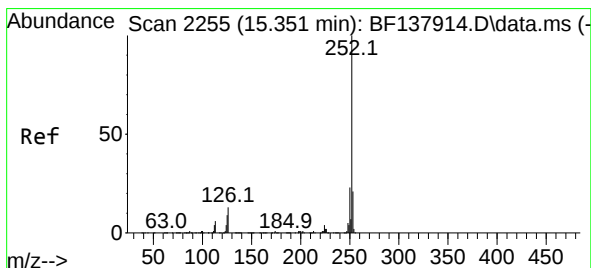
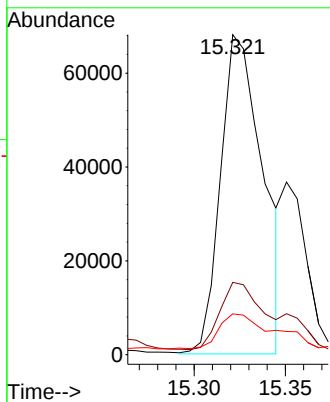
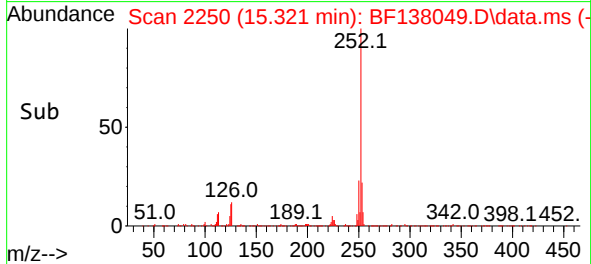
Instrument :
BNA_F
ClientSampleId :
VNJ-206



Tgt Ion:252 Resp: 10924
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.7 8.2 12.4

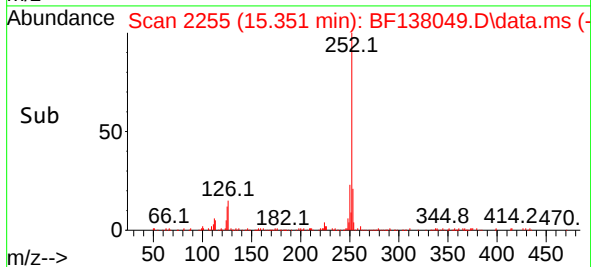
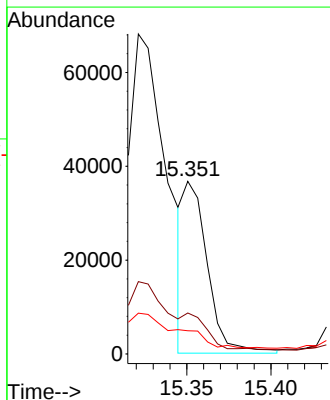
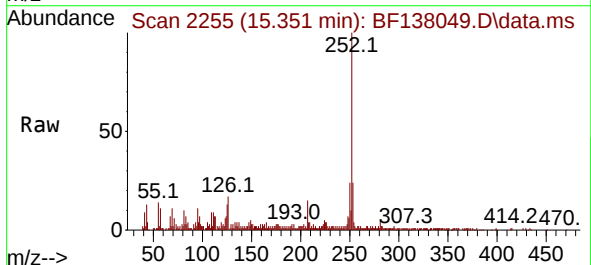
Manual Integrations
APPROVED

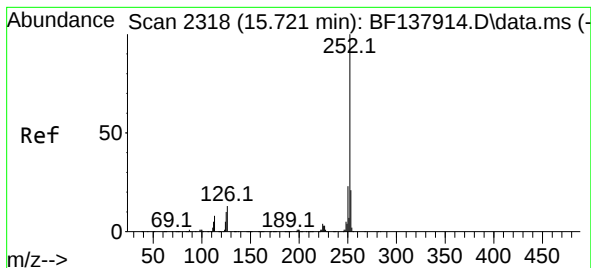
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#89
Benzo(k)fluoranthene
Concen: 2.827 ng m
RT: 15.351 min Scan# 2255
Delta R.T. -0.000 min
Lab File: BF138049.D
Acq: 28 May 2024 16:07

Tgt Ion:252 Resp: 35895
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 13.5 7.7 11.5





#90

Benzo(a)pyrene

Concen: 5.761 ng

RT: 15.727 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138049.D

Acq: 28 May 2024 16:07

Instrument :

BNF

ClientSampleId :

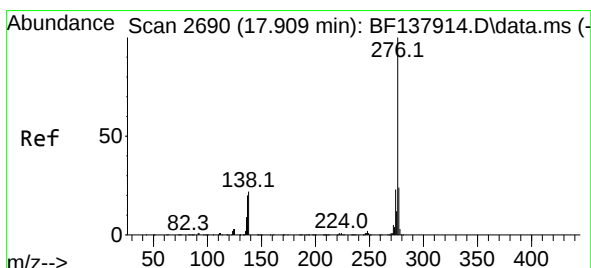
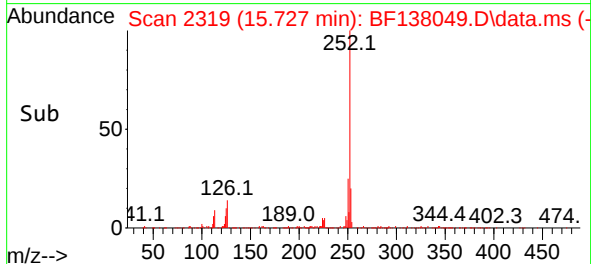
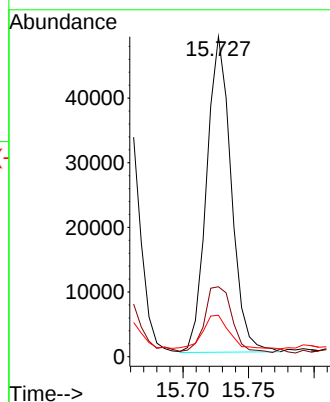
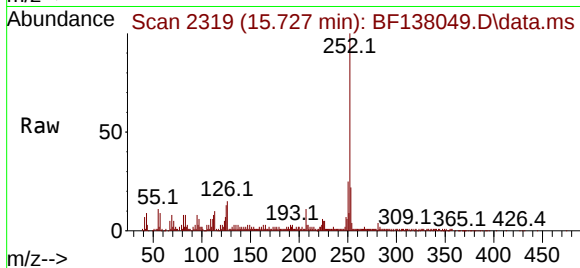
VNJ-206

Tgt Ion:	252	Resp:	6358
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.0	25.6
125	12.9	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#92

Benzo(g,h,i)perylene

Concen: 2.809 ng

RT: 17.921 min Scan# 2692

Delta R.T. 0.012 min

Lab File: BF138049.D

Acq: 28 May 2024 16:07

Tgt Ion:	276	Resp:	34963
Ion Ratio	Lower	Upper	
276	100		
277	26.3	18.9	28.3
138	25.5	17.6	26.4

