

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138406.D
 Acq On : 01 Jul 2024 16:35
 Operator : CG\JU
 Sample : P3115-12 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-325

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024

Quant Time: Jul 01 17:37:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	172672	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	637651	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	263443	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	297539	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	287756	20.000	ng	0.00
86) Perylene-d12	15.498	264	311127	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	141974	13.632	ng	0.00
7) Phenol-d6	6.504	99	189703	13.522	ng	-0.01
23) Nitrobenzene-d5	7.428	82	107404	8.750	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	21993	10.218	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	188618	11.394	ng	0.00
79) Terphenyl-d14	12.980	244	112947	5.379	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	302598	20.830	ng	# 97
72) Anthracene	11.480	178	64258m	4.435	ng	
75) Fluoranthene	12.615	202	518531	39.814	ng	98
78) Pyrene	12.845	202	689608	22.422	ng	99
81) Benzo(a)anthracene	14.021	228	410124	22.143	ng	95
83) Chrysene	14.057	228	582471m	32.319	ng	
87) Indeno(1,2,3-cd)pyrene	16.956	276	118661	7.591	ng	98
88) Benzo(b)fluoranthene	15.074	252	708832m	41.524	ng	
89) Benzo(k)fluoranthene	15.098	252	268234m	17.060	ng	
90) Benzo(a)pyrene	15.439	252	312036	20.855	ng	98
91) Dibenzo(a,h)anthracene	16.968	278	34286	2.717	ng	# 87
92) Benzo(g,h,i)perylene	17.398	276	97453	7.894	ng	95

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

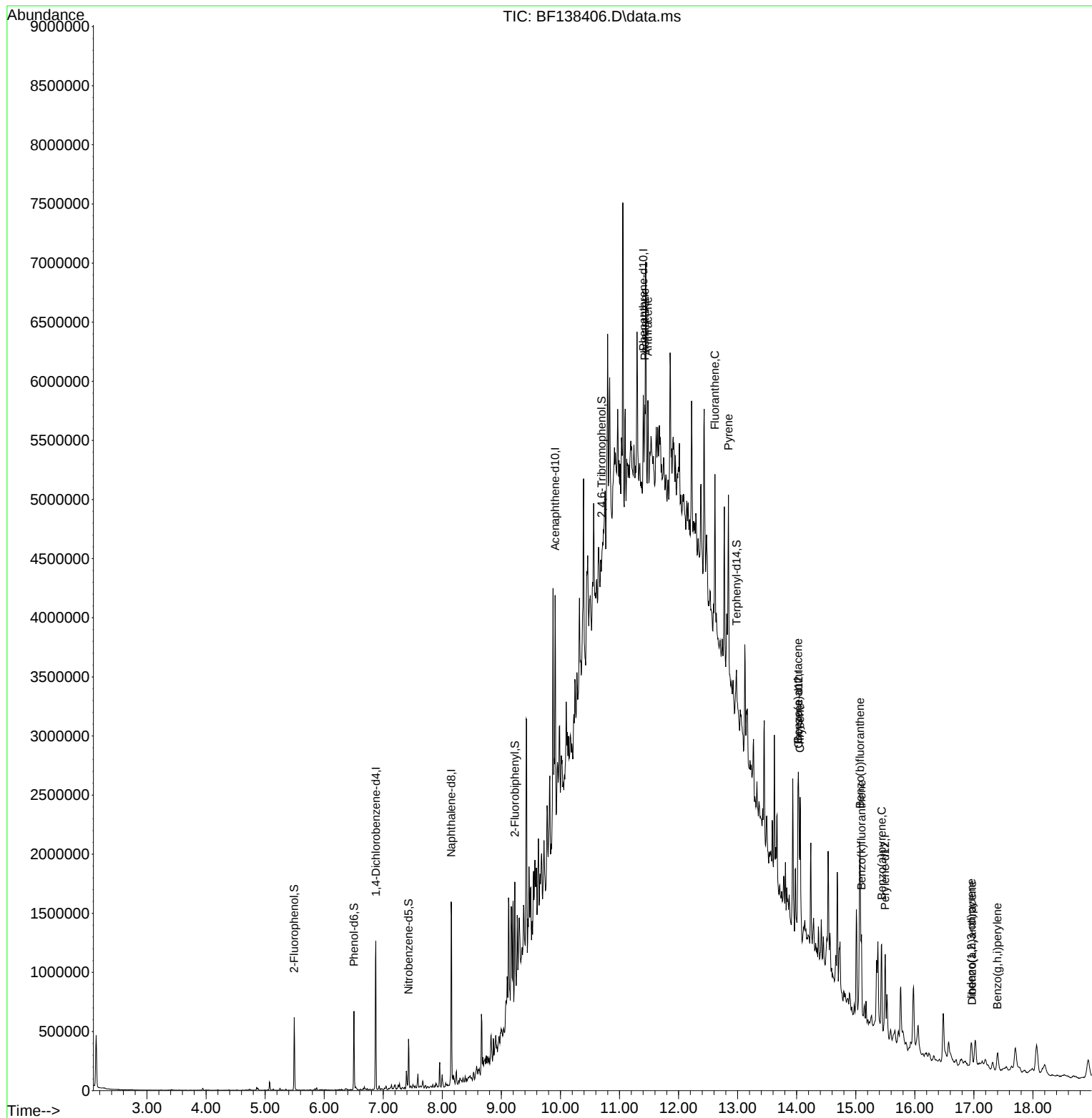
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
Data File : BF138406.D
Acq On : 01 Jul 2024 16:35
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ALS Vial : 13 Sample Multiplier: 1

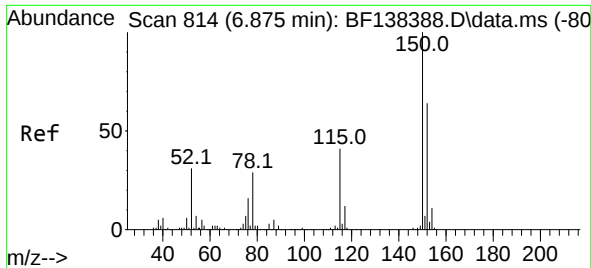
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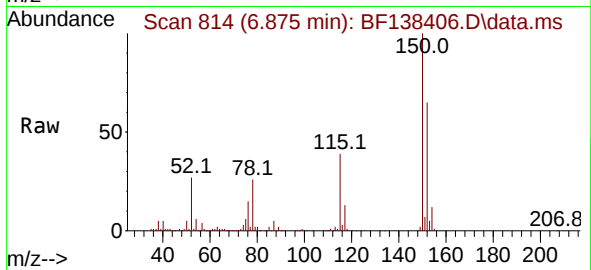
Quant Time: Jul 01 17:37:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

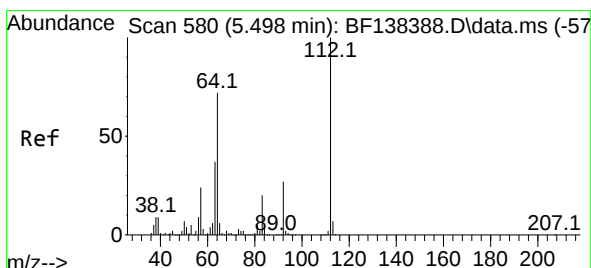
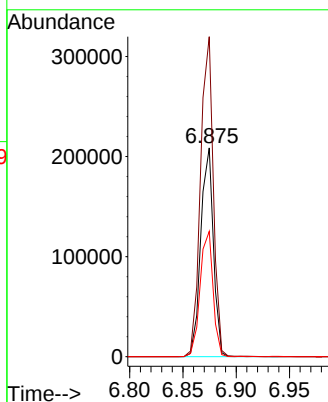
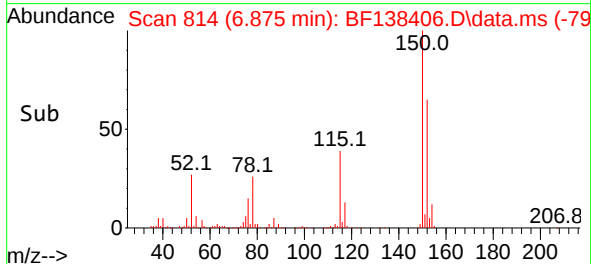
Instrument :
BNA_F
ClientSampleId :
VNJ-325



Tgt Ion:152 Resp: 172672
Ion Ratio Lower Upper
152 100
150 153.3 124.9 187.3
115 60.0 50.8 76.2

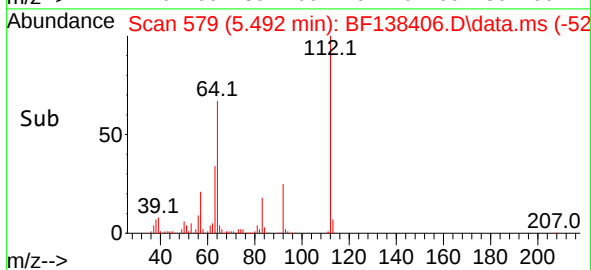
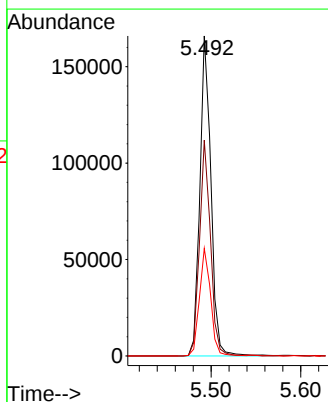
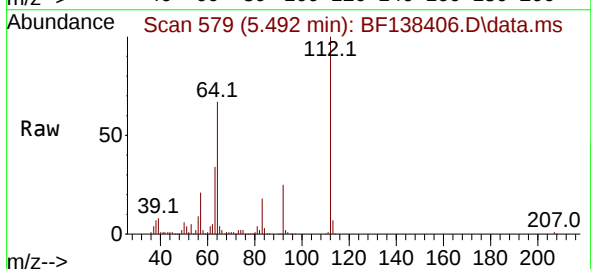
Manual Integrations
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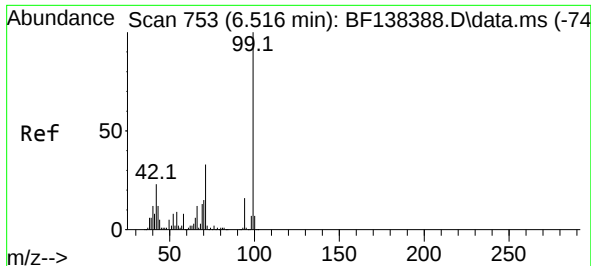
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#5
2-Fluorophenol
Concen: 13.632 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

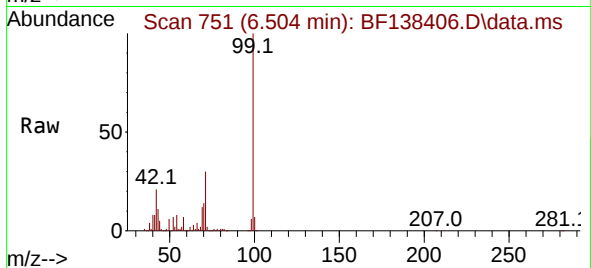
Tgt Ion:112 Resp: 141974
Ion Ratio Lower Upper
112 100
64 67.5 57.2 85.8
63 33.6 29.4 44.0





#7
Phenol-d6
Concen: 13.522 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

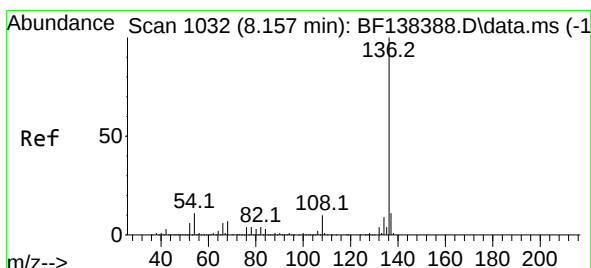
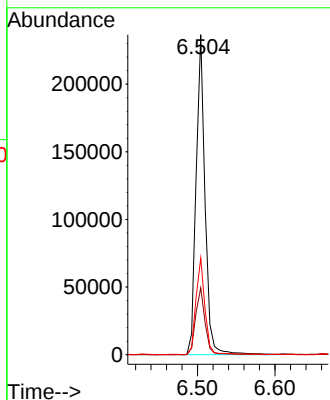
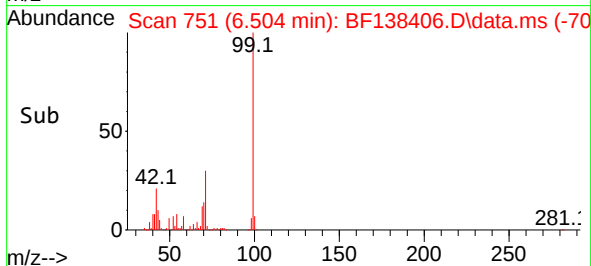
Instrument :
BNA_F
ClientSampleId :
VNJ-325



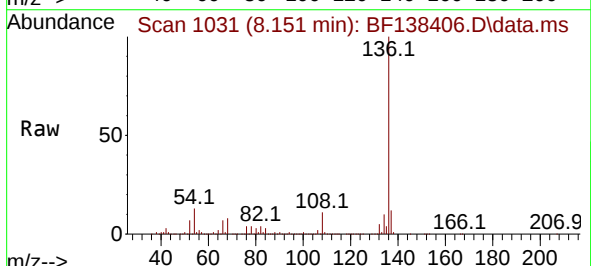
Tgt Ion: 99 Resp: 18970
Ion Ratio Lower Upper
99 100
42 20.9 18.5 27.7
71 30.2 26.1 39.1

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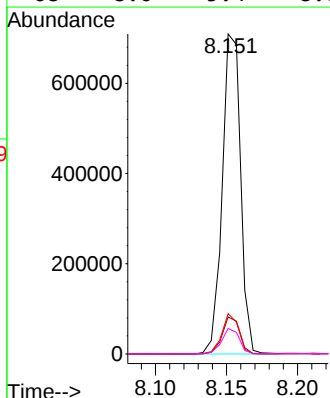
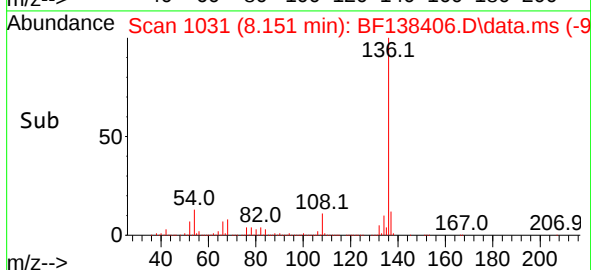
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024

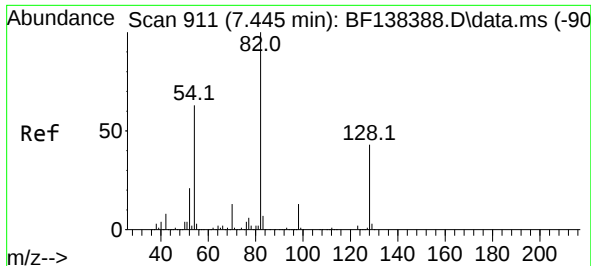


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35



Tgt Ion:136 Resp: 637651
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 12.6 9.0 13.4
68 8.0 5.4 8.0





#23

Nitrobenzene-d5

Concen: 8.750 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.018 min

Lab File: BF138406.D

Acq: 01 Jul 2024 16:35

Instrument :

BNA_F

ClientSampleId :

VNJ-325

Tgt Ion: 82 Resp: 107404

Ion Ratio Lower Upper

82 100

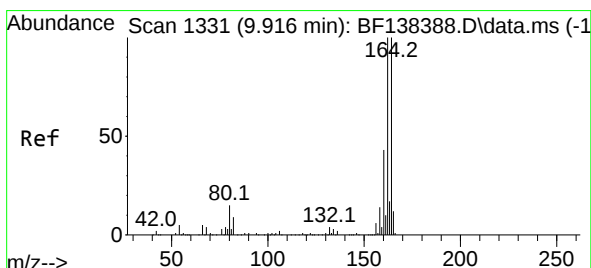
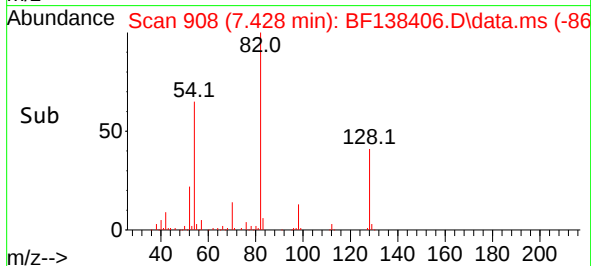
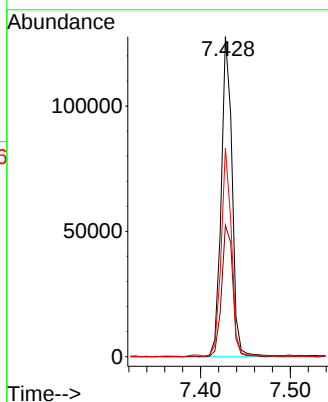
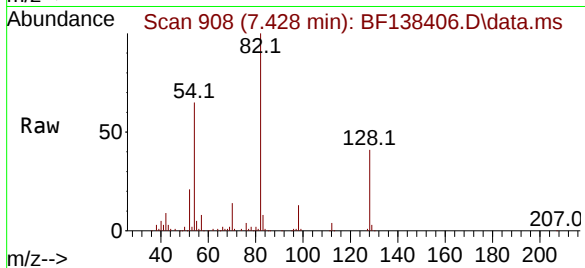
128 41.0 34.6 52.0

54 65.2 50.5 75.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF138406.D

Acq: 01 Jul 2024 16:35

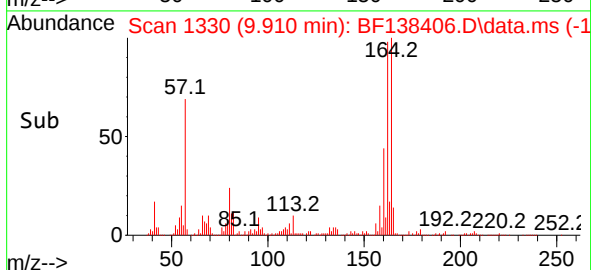
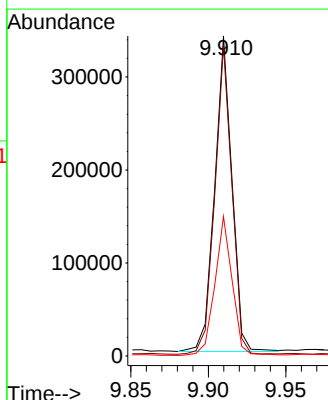
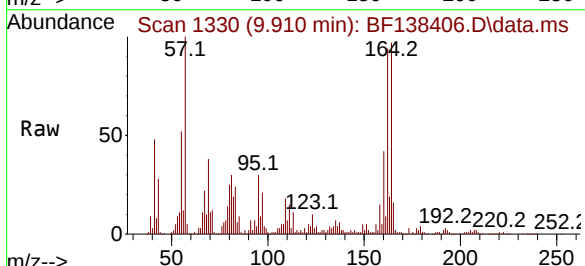
Tgt Ion:164 Resp: 263443

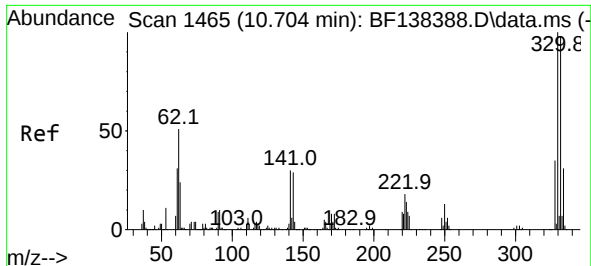
Ion Ratio Lower Upper

164 100

162 97.1 80.1 120.1

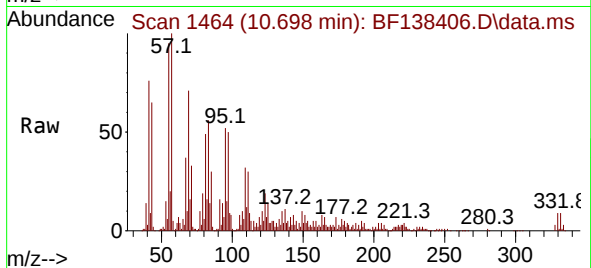
160 43.6 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 10.218 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

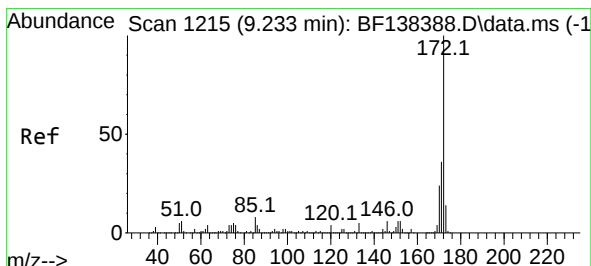
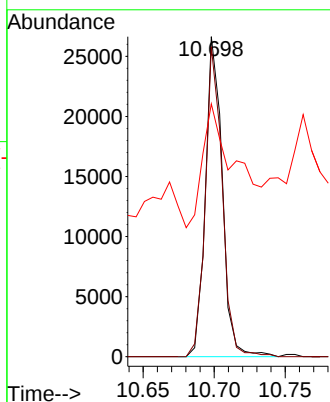
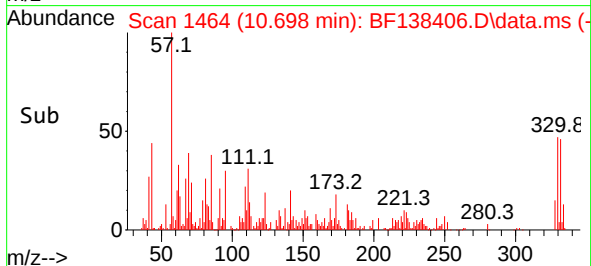
Instrument :
BNA_F
ClientSampleId :
VNJ-325



Tgt Ion: 330 Resp: 2199
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 76.6 28.1 42.1

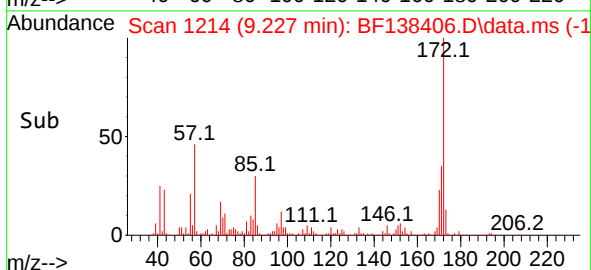
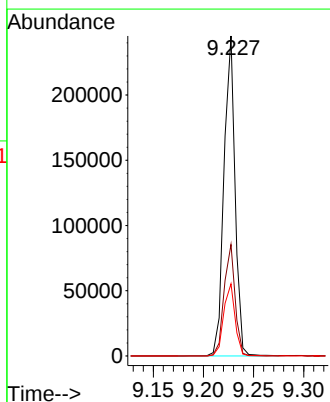
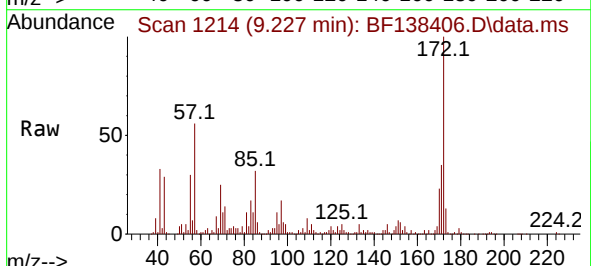
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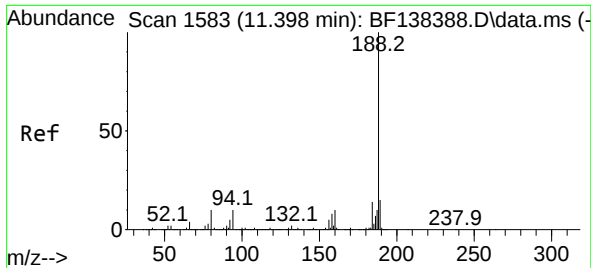
Reviewed By : Jagrut Upadhyay 07/02/2024
Supervised By : mohammad ahmed 07/03/2024



#45
2-Fluorobiphenyl
Concen: 11.394 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

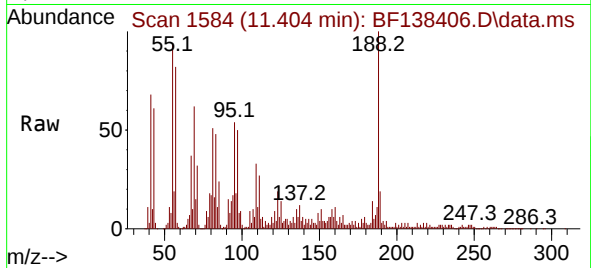
Tgt Ion: 172 Resp: 188618
Ion Ratio Lower Upper
172 100
171 34.8 29.0 43.4
170 22.6 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

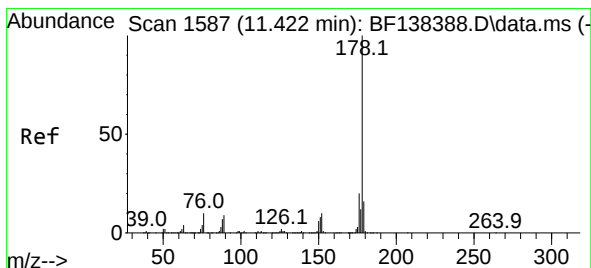
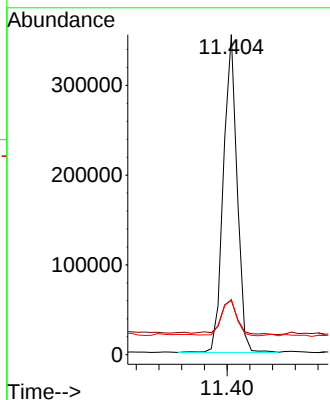
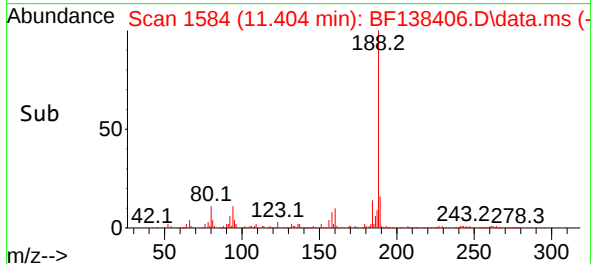
Instrument :
BNA_F
ClientSampleId :
VNJ-325



Tgt Ion:188 Resp: 297539
Ion Ratio Lower Upper
188 100
94 16.9 8.0 12.0
80 17.2 8.2 12.4

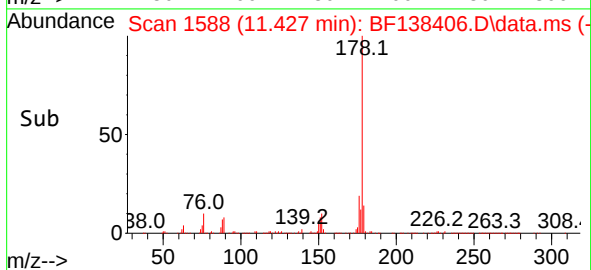
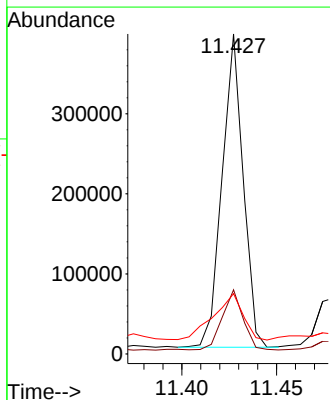
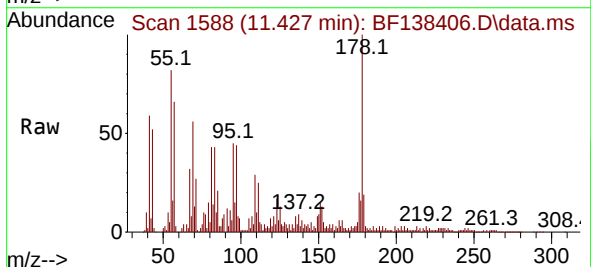
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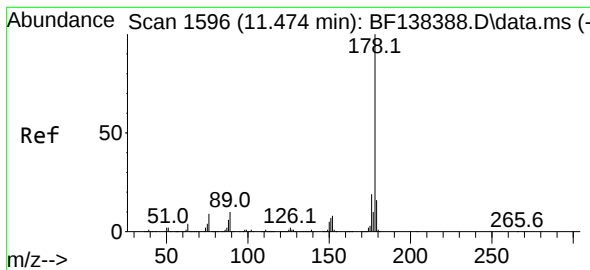
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#71
Phenanthrene
Concen: 20.830 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

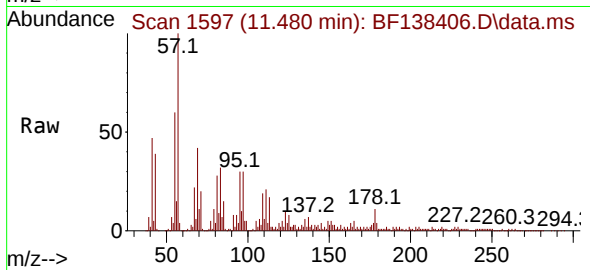
Tgt Ion:178 Resp: 302598
Ion Ratio Lower Upper
178 100
176 20.0 16.1 24.1
179 18.9 12.6 18.8





#72
 Anthracene
 Concen: 4.435 ng m
 RT: 11.480 min Scan# 11480
 Delta R.T. 0.006 min
 Lab File: BF138406.D
 Acq: 01 Jul 2024 16:35

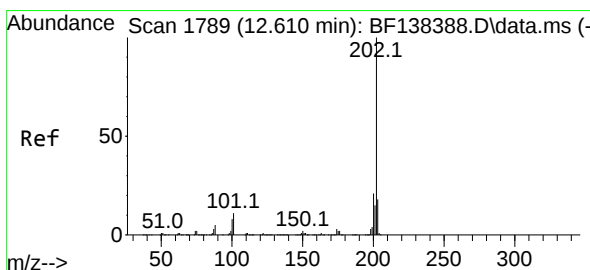
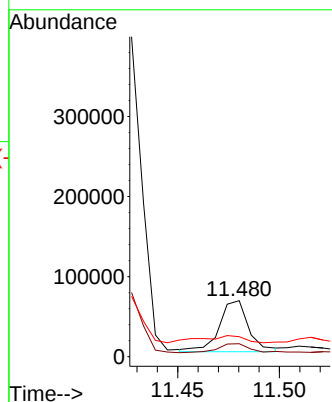
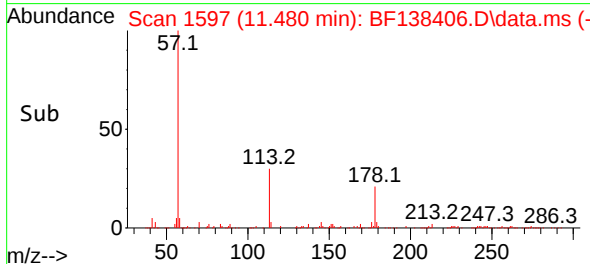
Instrument :
 BNA_F
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 VNJ-325



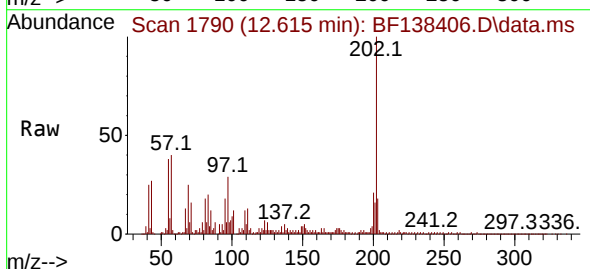
Tgt Ion:178 Resp: 64258
 Ion Ratio Lower Upper
 178 100
 176 23.2 15.0 22.6
 179 35.6 12.7 19.1

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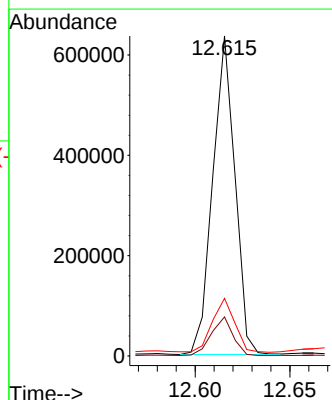
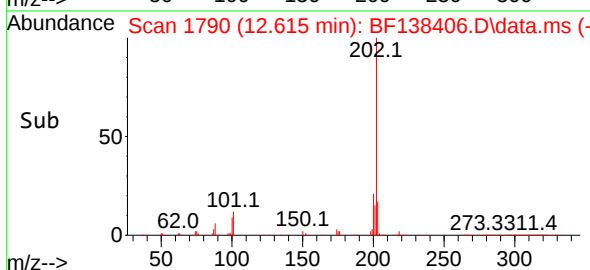
Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024

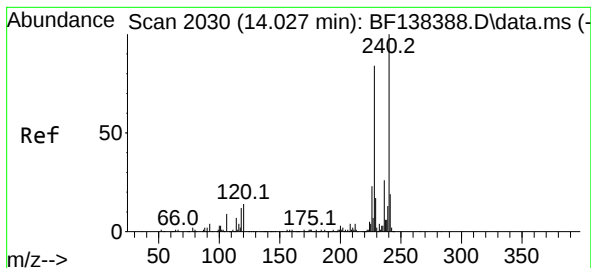


#75
 Fluoranthene
 Concen: 39.814 ng
 RT: 12.615 min Scan# 1790
 Delta R.T. 0.006 min
 Lab File: BF138406.D
 Acq: 01 Jul 2024 16:35



Tgt Ion:202 Resp: 518531
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 30.5
 203 18.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF138406.D

Acq: 01 Jul 2024 16:35

Instrument :

BNA_F

ClientSampleId :

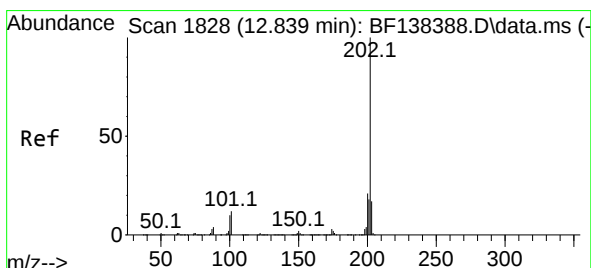
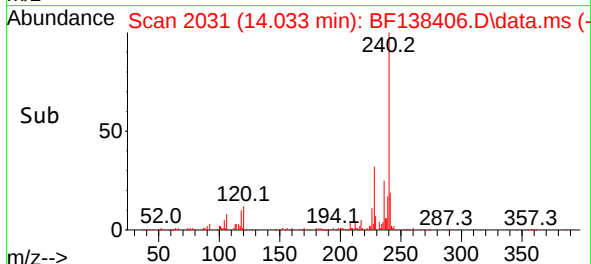
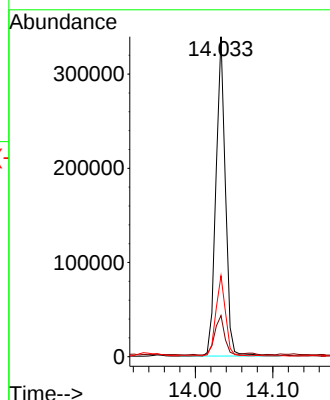
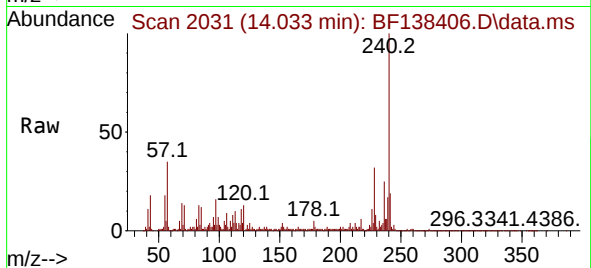
VNJ-325

Tgt Ion:240	Resp: 287750
Ion Ratio	Lower Upper
240 100	
120 12.8	10.9 16.3
236 25.3	20.6 30.8

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#78

Pyrene

Concen: 22.422 ng

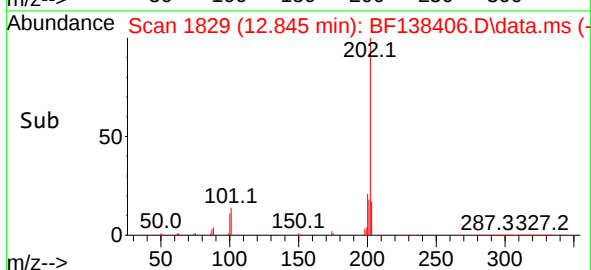
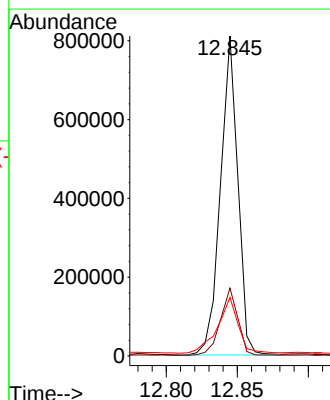
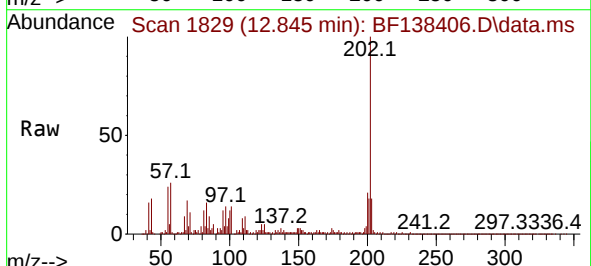
RT: 12.845 min Scan# 1829

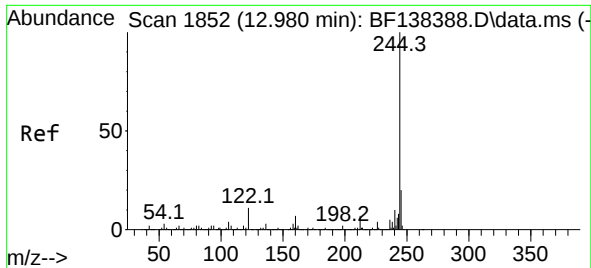
Delta R.T. 0.006 min

Lab File: BF138406.D

Acq: 01 Jul 2024 16:35

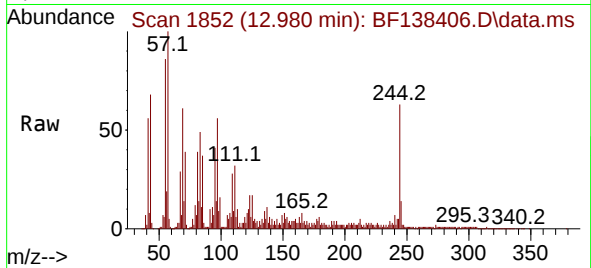
Tgt Ion:202	Resp: 689608
Ion Ratio	Lower Upper
202 100	
200 21.2	16.9 25.3
203 18.3	13.8 20.8





#79
Terphenyl-d14
Concen: 5.379 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

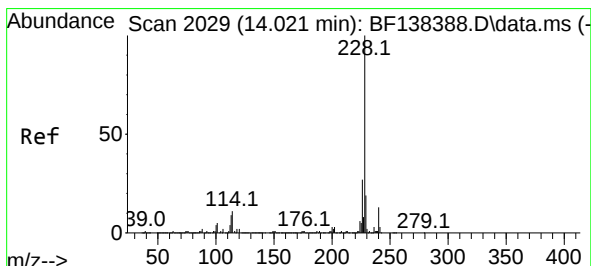
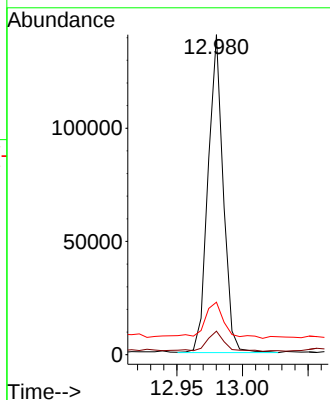
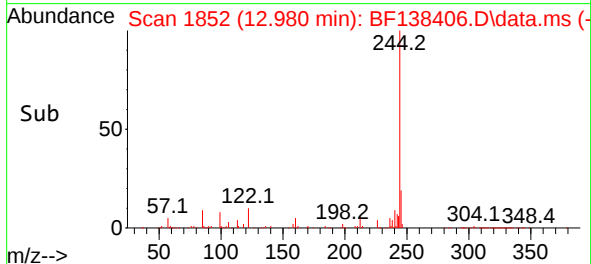
Instrument :
BNA_F
ClientSampleId :
VNJ-325



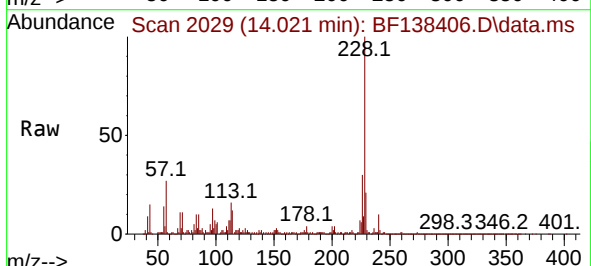
Tgt Ion:244 Resp: 112947
Ion Ratio Lower Upper
244 100
212 7.4 5.6 8.4
122 16.4 9.0 13.4

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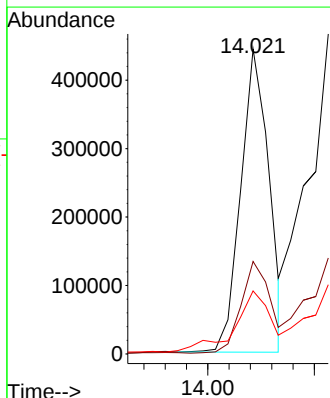
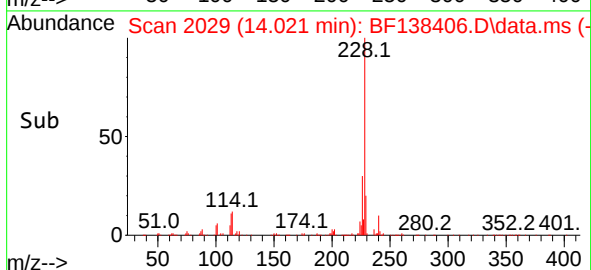
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024

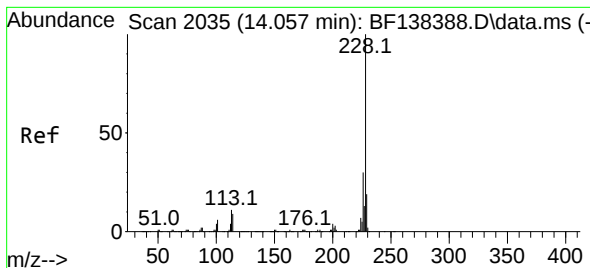


#81
Benzo(a)anthracene
Concen: 22.143 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35



Tgt Ion:228 Resp: 410124
Ion Ratio Lower Upper
228 100
226 30.3 21.7 32.5
229 20.7 15.5 23.3





#83

Chrysene

Concen: 32.319 ng m

RT: 14.057 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF138406.D

Acq: 01 Jul 2024 16:35

Instrument :

BNA_F

ClientSampleId :

VNJ-325

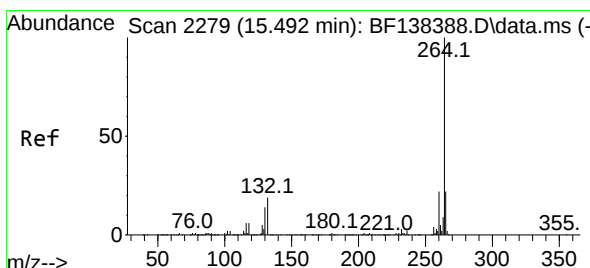
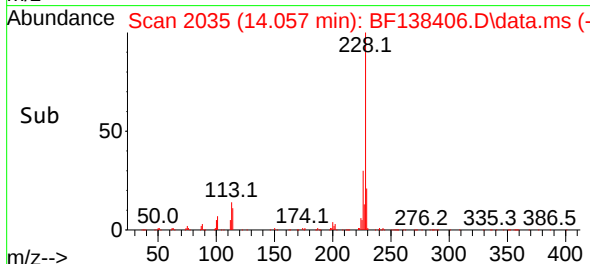
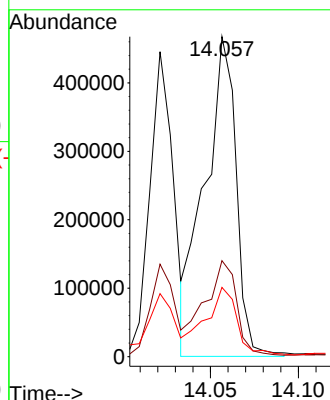
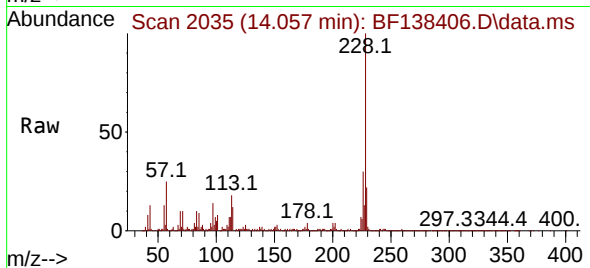
Tgt Ion:228 Resp: 58247

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	21.7	15.2	22.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

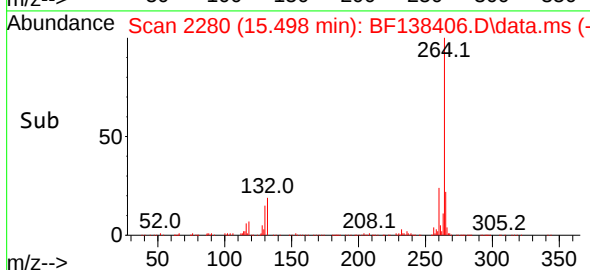
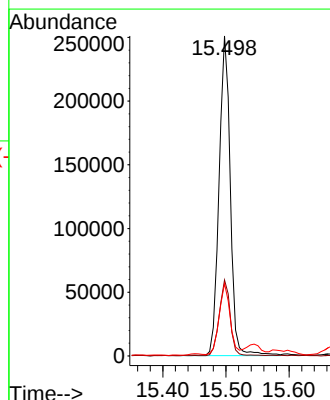
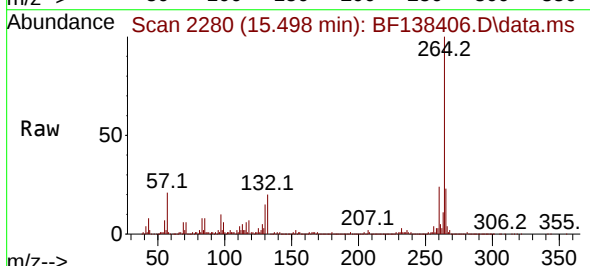
Delta R.T. 0.006 min

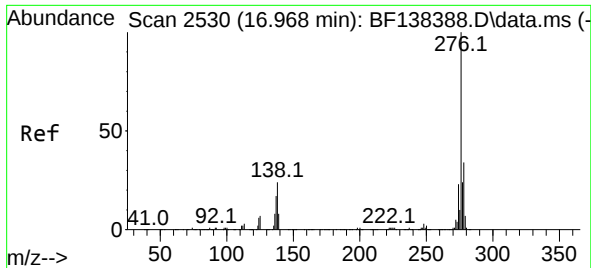
Lab File: BF138406.D

Acq: 01 Jul 2024 16:35

Tgt Ion:264 Resp: 311127

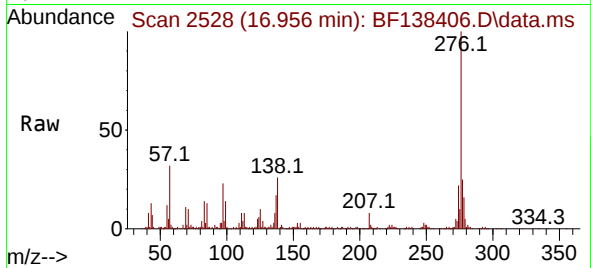
Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.8	26.6
265	22.6	17.5	26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.591 ng
RT: 16.956 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

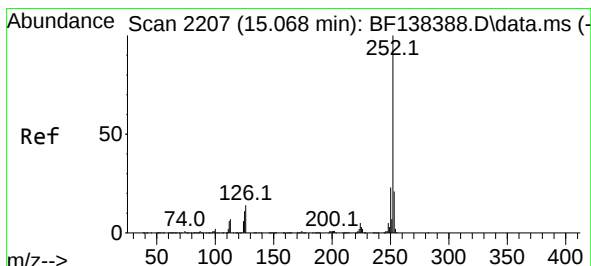
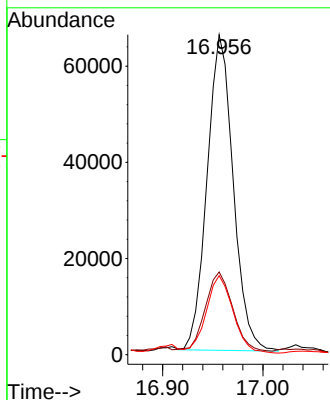
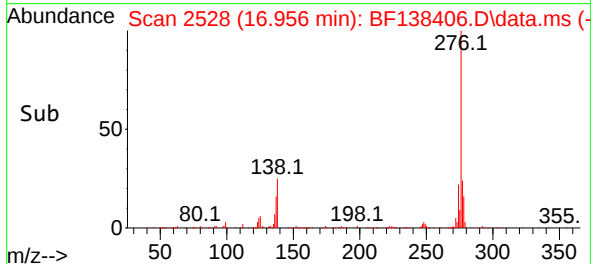
Instrument :
BNA_F
ClientSampleId :
VNJ-325



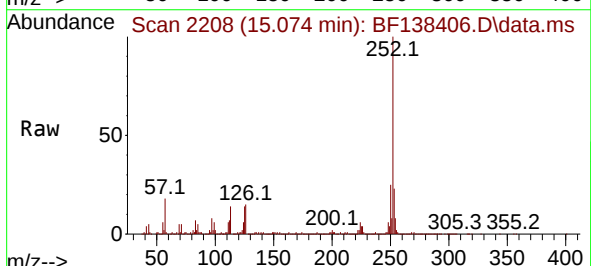
Tgt Ion:276 Resp: 11866
Ion Ratio Lower Upper
276 100
138 26.3 22.1 33.1
277 25.1 20.4 30.6

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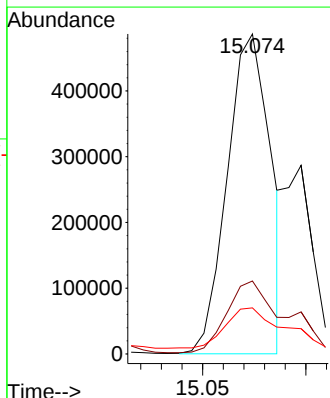
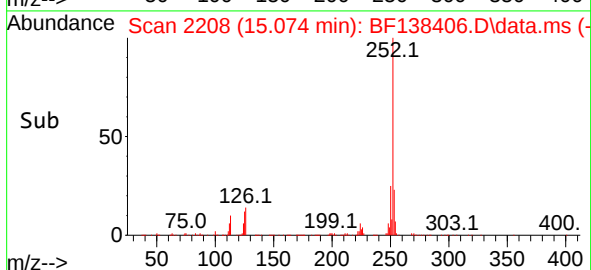
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024

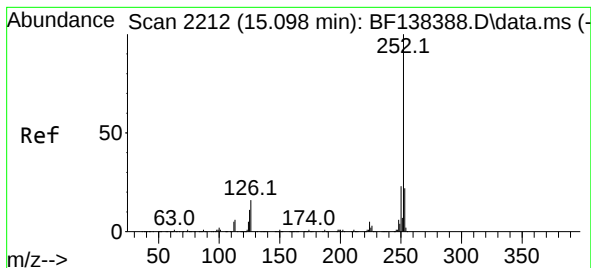


#88
Benzo(b)fluoranthene
Concen: 41.524 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35



Tgt Ion:252 Resp: 708832
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 14.4 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 17.060 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138406.D

Acq: 01 Jul 2024 16:35

Instrument :

BNA_F

ClientSampleId :

VNJ-325

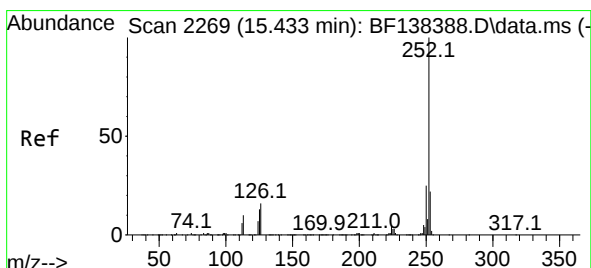
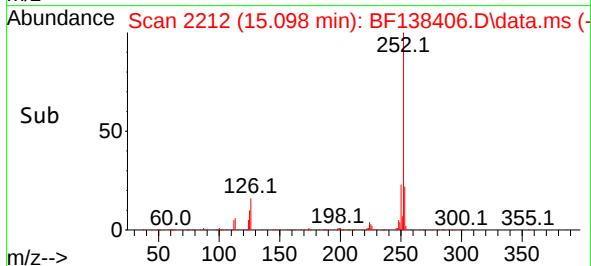
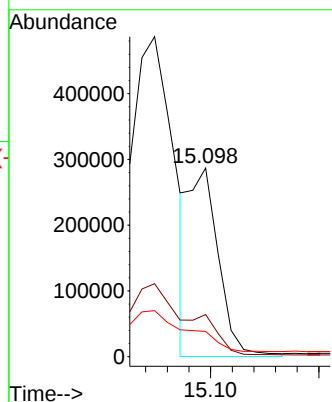
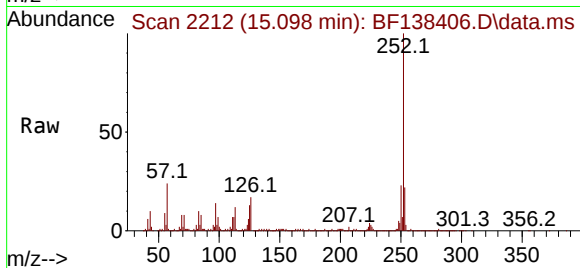
Tgt Ion:252 Resp: 268234

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	13.4	8.7	13.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#90

Benzo(a)pyrene

Concen: 20.855 ng

RT: 15.439 min Scan# 2270

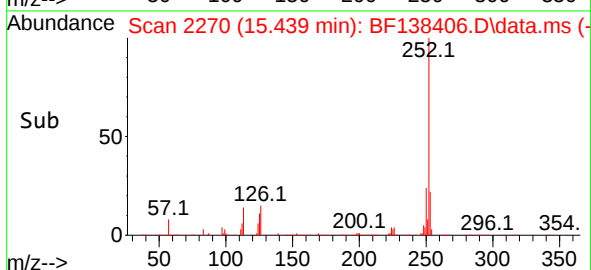
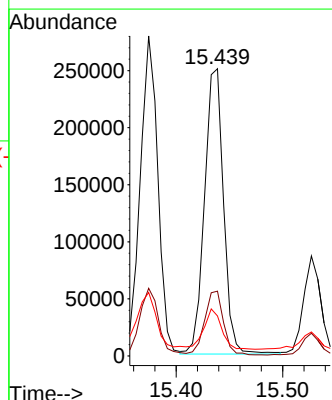
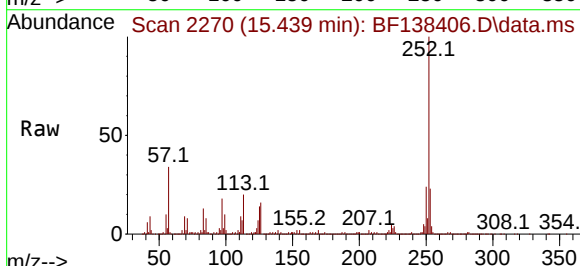
Delta R.T. 0.006 min

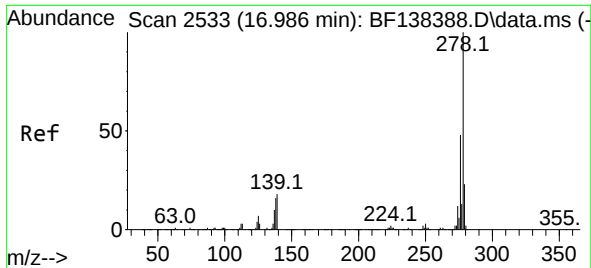
Lab File: BF138406.D

Acq: 01 Jul 2024 16:35

Tgt Ion:252 Resp: 312036

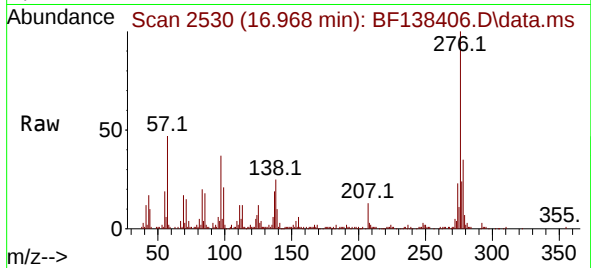
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	13.9	10.2	15.2





#91
Dibenzo(a,h)anthracene
Concen: 2.717 ng
RT: 16.968 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35

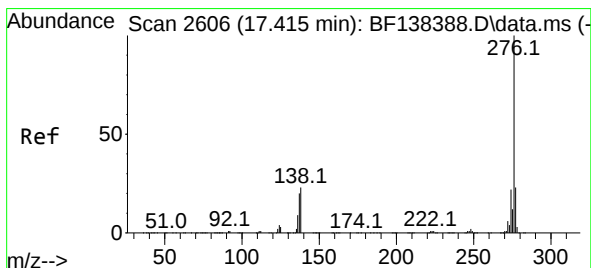
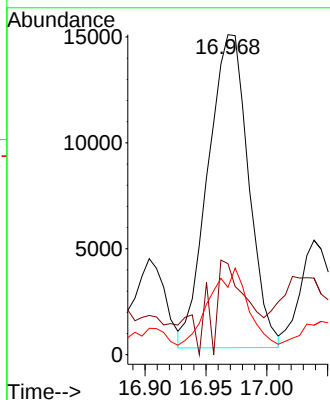
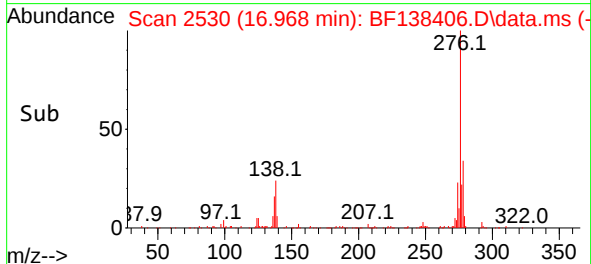
Instrument :
BNA_F
ClientSampleId :
VNJ-325



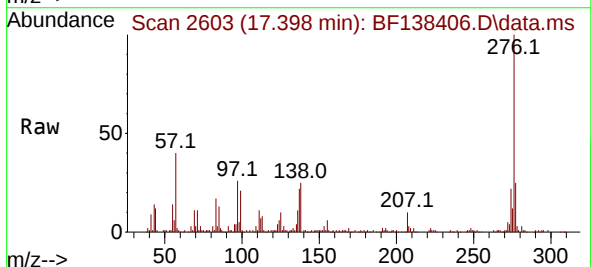
Tgt Ion:278 Resp: 34280
Ion Ratio Lower Upper
278 100
139 28.5 14.3 21.5
279 21.0 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#92
Benzo(g,h,i)perylene
Concen: 7.894 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.018 min
Lab File: BF138406.D
Acq: 01 Jul 2024 16:35



Tgt Ion:276 Resp: 97453
Ion Ratio Lower Upper
276 100
277 25.1 18.3 27.5
138 25.2 18.3 27.5

