

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136136.D
 Acq On : 03 Nov 2023 21:13
 Operator : CG\JU
 Sample : 05214-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 04 00:12:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	83029	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	306592	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	139643	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	212874	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	191451	20.000	ng	-0.01
86) Perylene-d12	15.492	264	228902	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	646336	122.326	ng	0.00
7) Phenol-d6	6.451	99	783865	119.070	ng	0.00
23) Nitrobenzene-d5	7.381	82	488220	95.994	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	179226	120.244	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	842795	96.210	ng	0.00
79) Terphenyl-d14	12.951	244	786773	63.863	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.151	266	52034	33.991	ng	100
71) Phenanthrene	11.369	178	86100	8.033	ng	98
75) Fluoranthene	12.569	202	156355	14.200	ng	97
78) Pyrene	12.798	202	111933	6.631	ng	99
81) Benzo(a)anthracene	13.992	228	45425	3.584	ng	97
83) Chrysene	14.027	228	42247	3.385	ng	98
88) Benzo(b)fluoranthene	15.051	252	46879m	3.461	ng	
90) Benzo(a)pyrene	15.421	252	27280	2.168	ng	96
92) Benzo(g,h,i)perylene	17.445	276	12817	3.758	ng	97

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

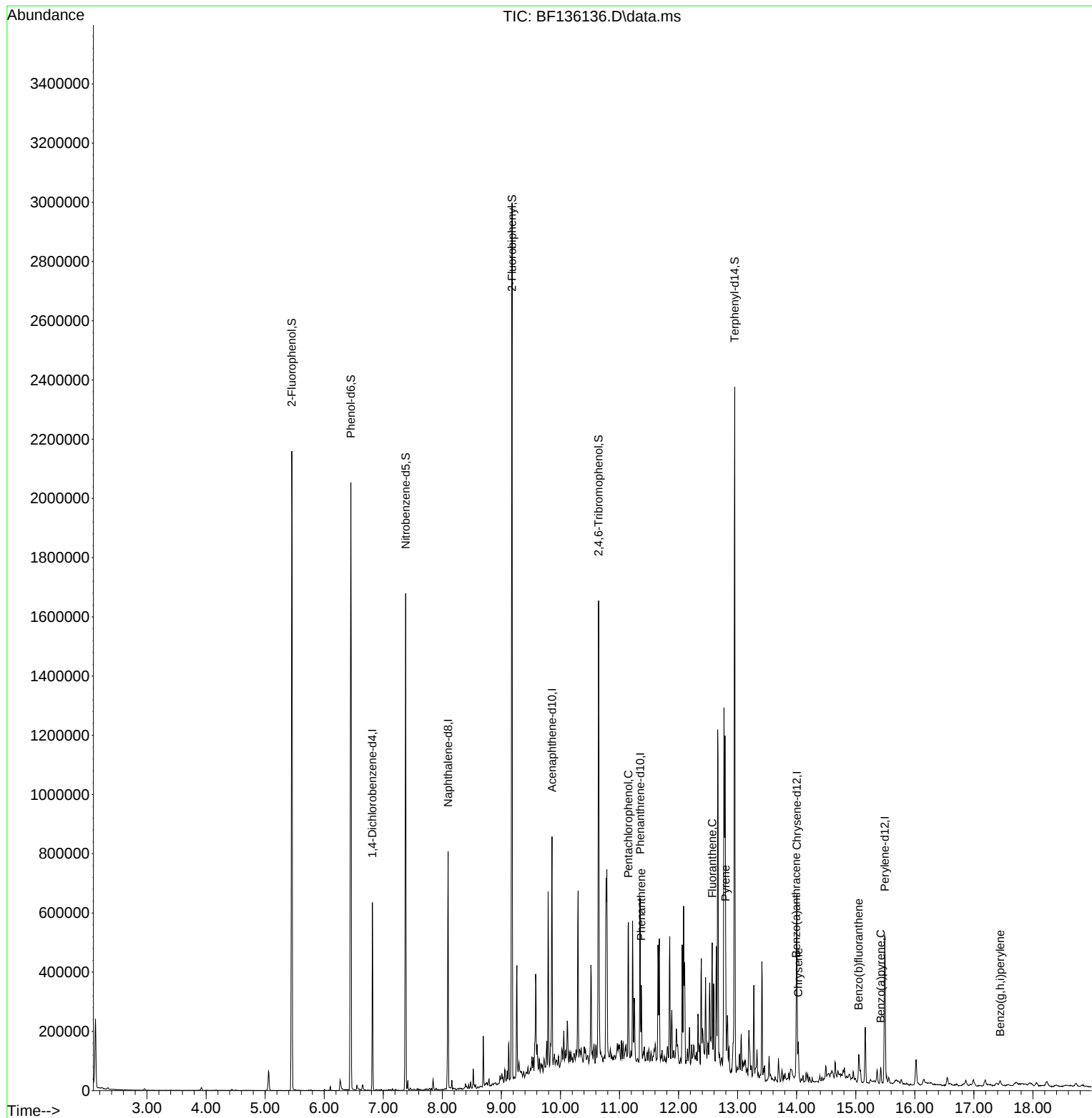
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
Data File : BF136136.D
Acq On : 03 Nov 2023 21:13
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Sample : 05214-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

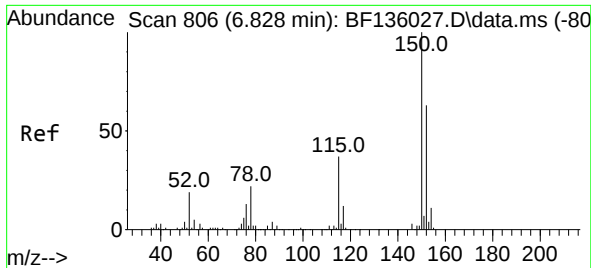
Instrument :
BNA_F
ClientSampleId :
VNJ-211

Quant Time: Nov 04 00:12:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

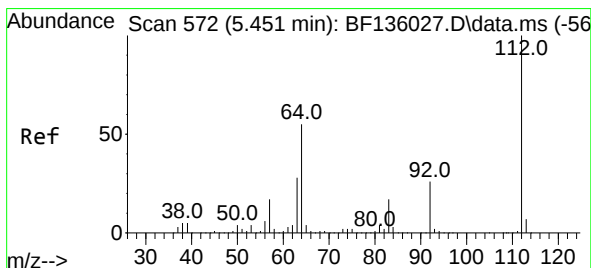
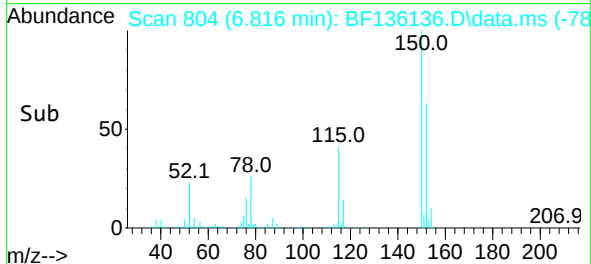
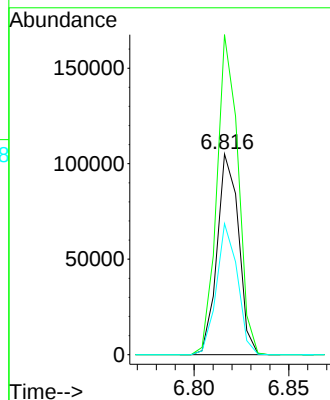
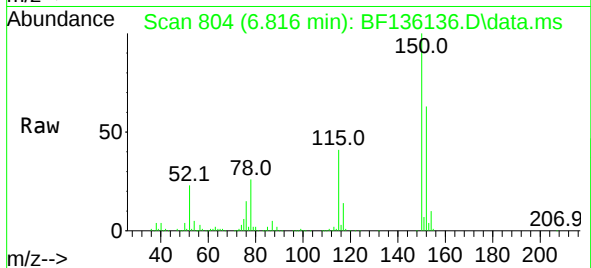
VNJ-211

Tgt Ion:152 Resp: 83029
Ion Ratio Lower Upper
152 100
150 159.5 126.4 189.6
115 65.3 47.0 70.4

Manual Integrations

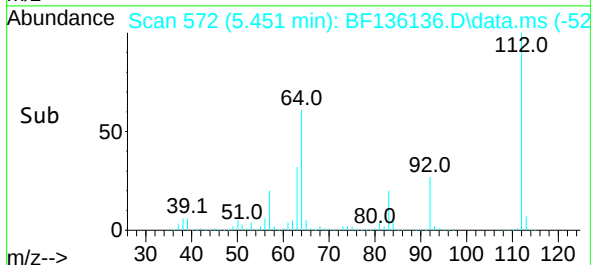
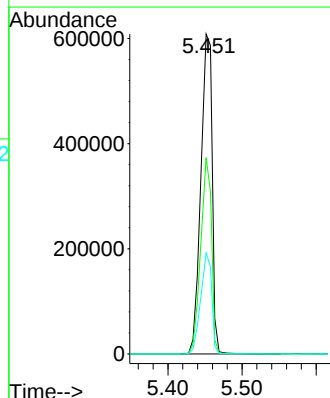
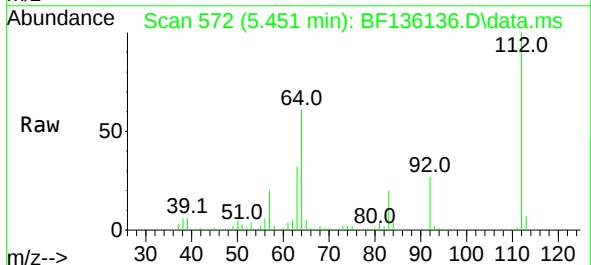
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Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#5
2-Fluorophenol
Concen: 122.326 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

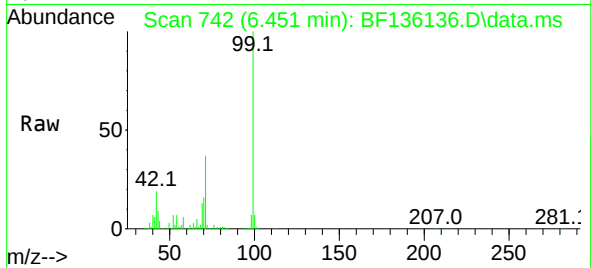
Tgt Ion:112 Resp: 646336
Ion Ratio Lower Upper
112 100
64 61.3 43.9 65.9
63 31.6 22.4 33.6





#7
Phenol-d6
Concen: 119.070 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

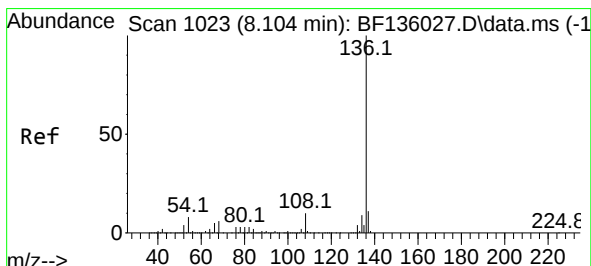
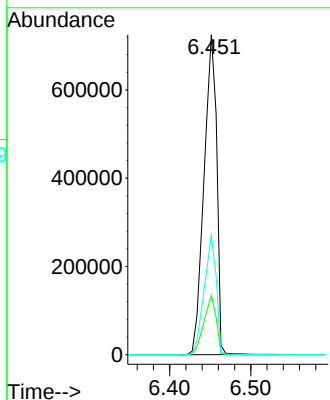
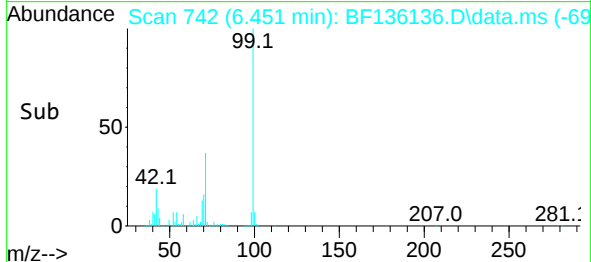
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BNA_F
ClientSampleId :
VNJ-211



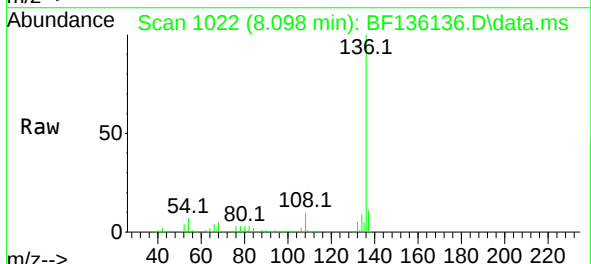
Tgt Ion: 99 Resp: 78386
Ion Ratio Lower Upper
99 100
42 18.5 13.7 20.5
71 37.3 25.9 38.9

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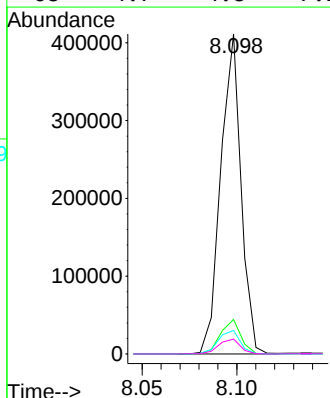
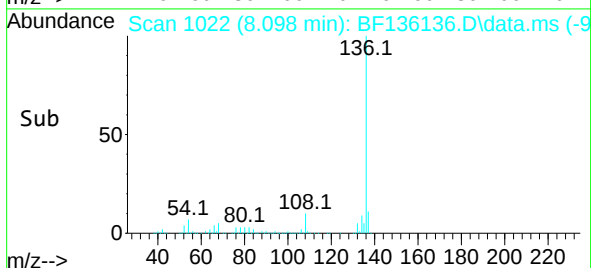
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13



Tgt Ion:136 Resp: 306592
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.3 6.6 9.8
68 4.7 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 95.994 ng

RT: 7.381 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

VNJ-211

Tgt Ion: 82 Resp: 488220

Ion Ratio Lower Upper

82 100

128 45.8 38.6 57.8

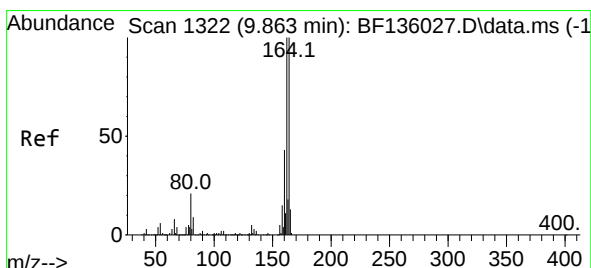
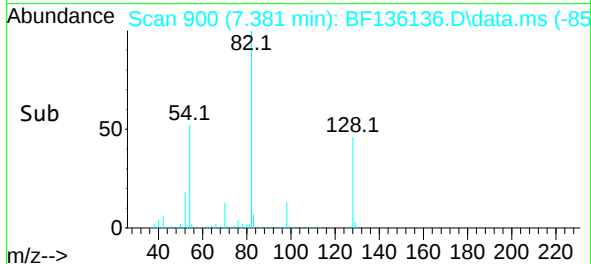
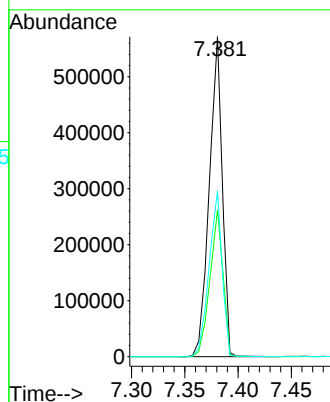
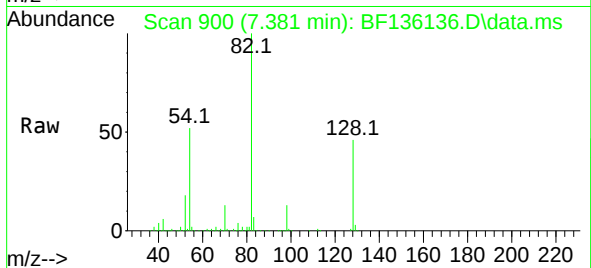
54 51.8 40.8 61.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

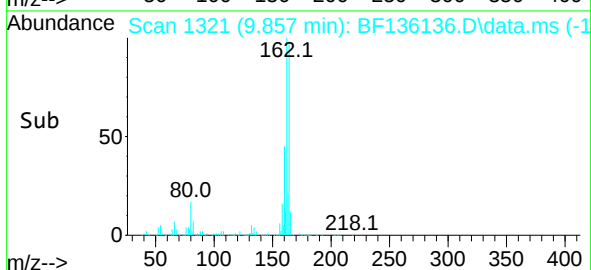
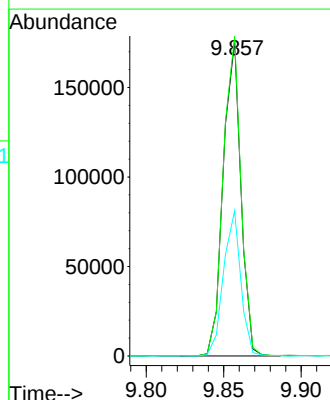
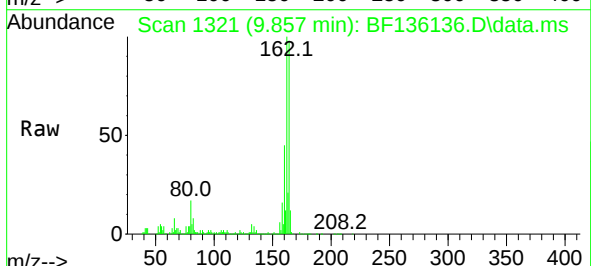
Tgt Ion:164 Resp: 139643

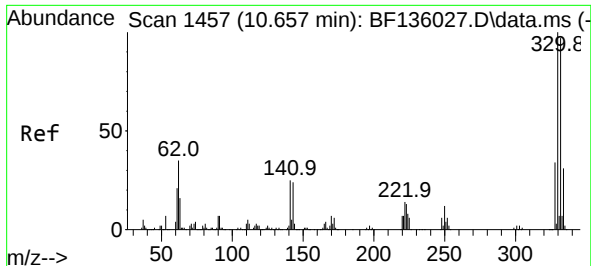
Ion Ratio Lower Upper

164 100

162 101.7 80.1 120.1

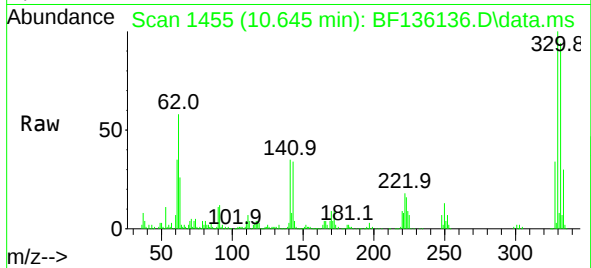
160 46.1 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 120.244 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

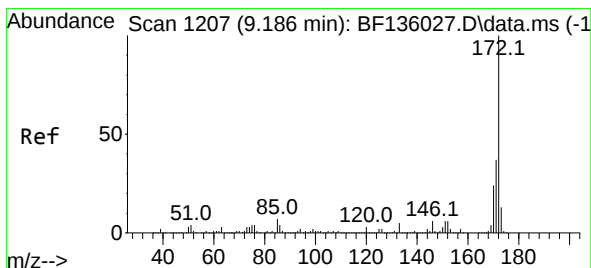
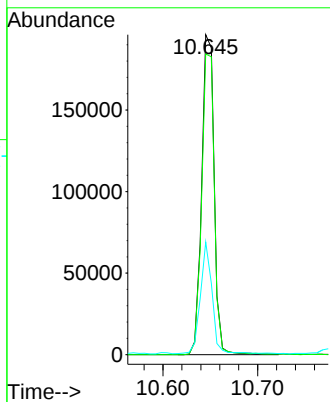
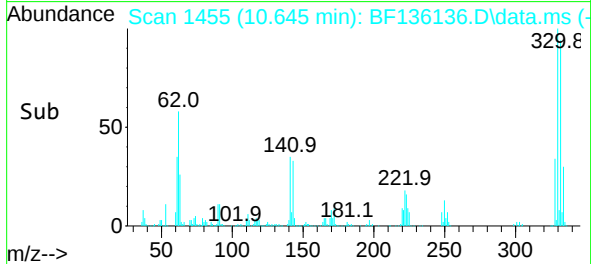
Instrument :
BNA_F
ClientSampleId :
VNJ-211



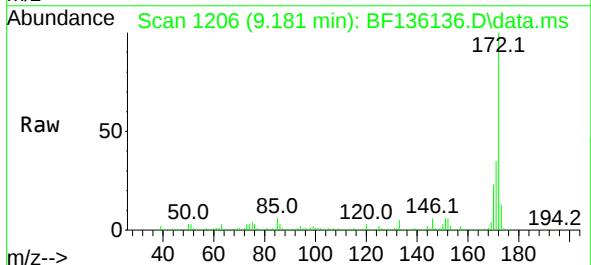
Tgt Ion:330 Resp: 179220
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 32.5 23.2 34.8

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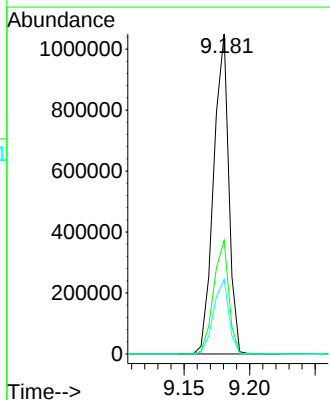
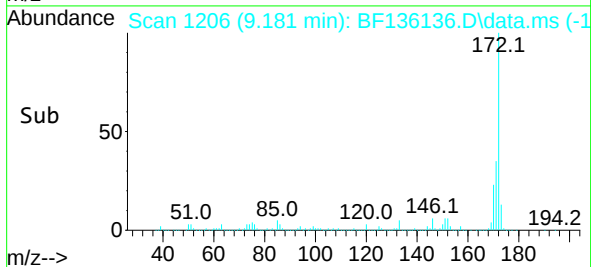
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

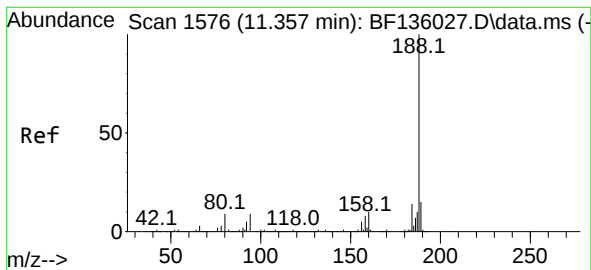


#45
2-Fluorobiphenyl
Concen: 96.210 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13



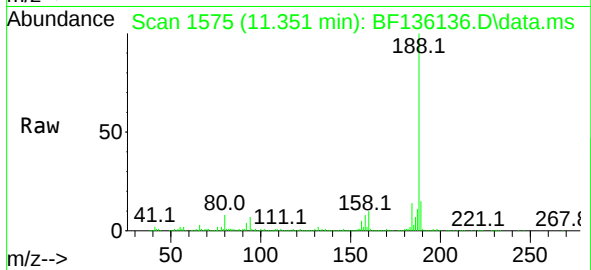
Tgt Ion:172 Resp: 842795
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.3 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11351
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

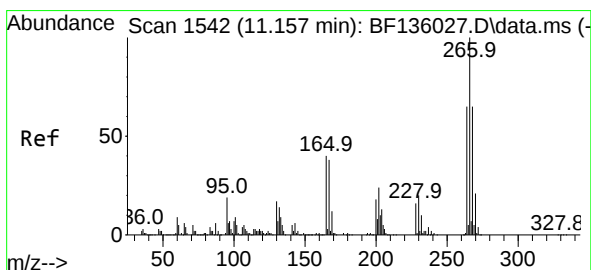
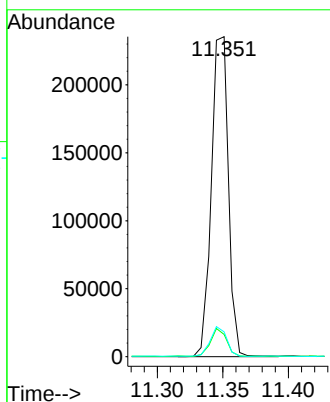
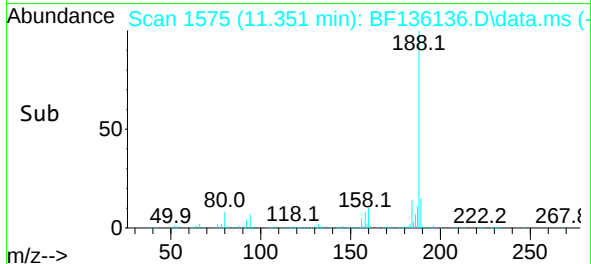
Instrument :
BNA_F
ClientSampleId :
VNJ-211



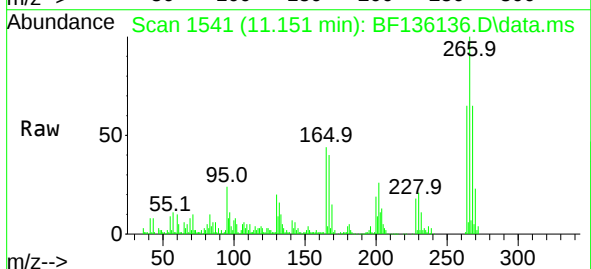
Tgt Ion:188 Resp: 212874
Ion Ratio Lower Upper
188 100
94 7.0 7.2 10.8
80 7.8 7.4 11.0

Manual Integrations
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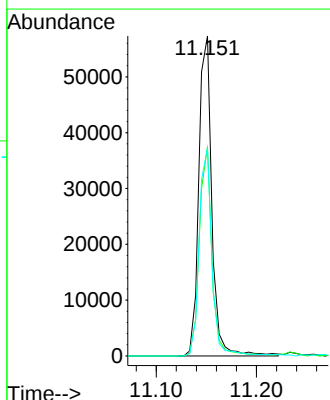
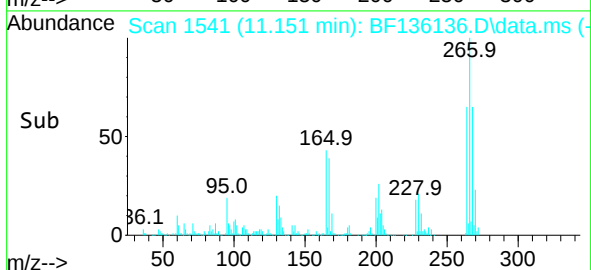
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

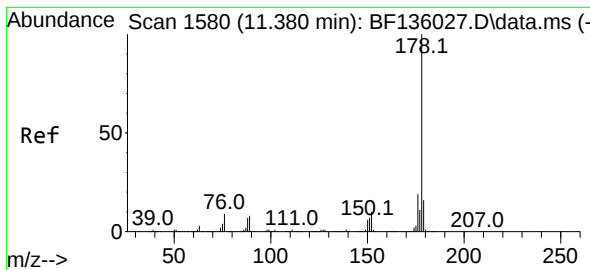


#70
Pentachlorophenol
Concen: 33.991 ng
RT: 11.151 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13



Tgt Ion:266 Resp: 52034
Ion Ratio Lower Upper
266 100
268 65.4 52.2 78.4
264 65.0 52.2 78.4





#71

Phenanthrene

Concen: 8.033 ng

RT: 11.369 min Scan# 1782

Delta R.T. -0.012 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

VNJ-211

Tgt Ion:178 Resp: 86100

Ion Ratio Lower Upper

178 100

176 20.3 15.5 23.3

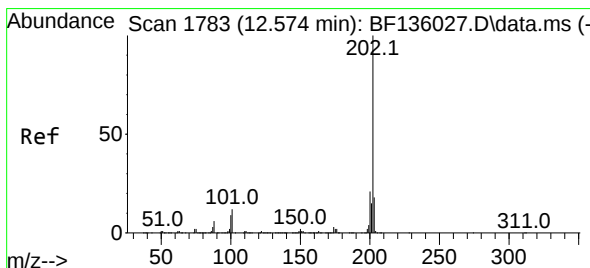
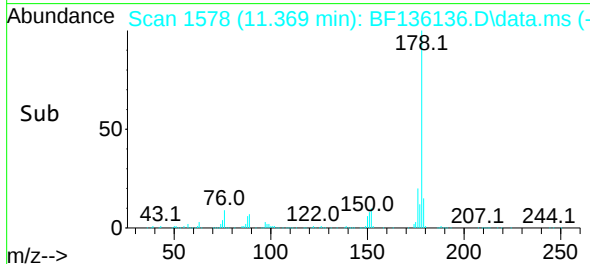
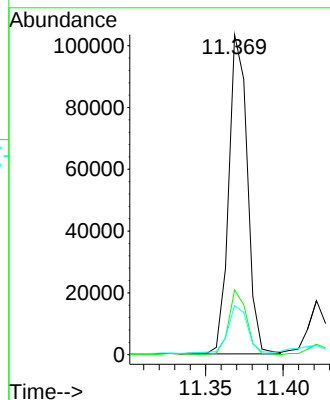
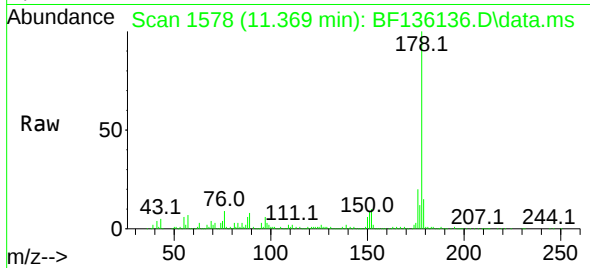
179 15.4 12.9 19.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#75

Fluoranthene

Concen: 14.200 ng

RT: 12.569 min Scan# 1782

Delta R.T. -0.006 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

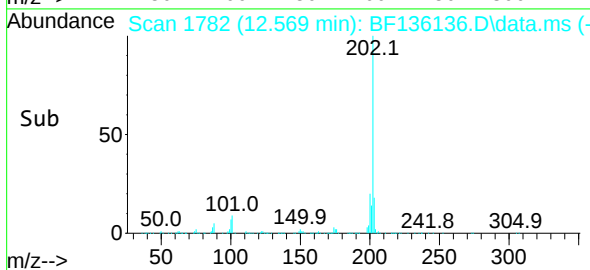
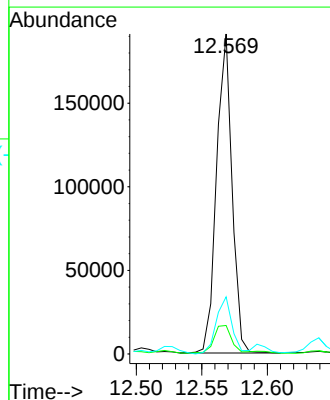
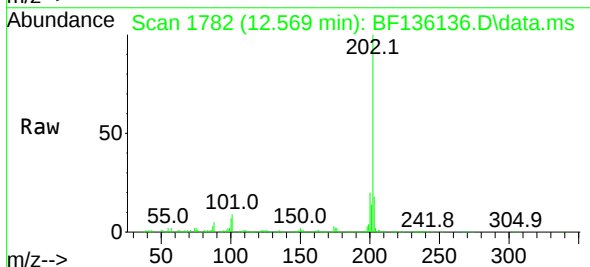
Tgt Ion:202 Resp: 156355

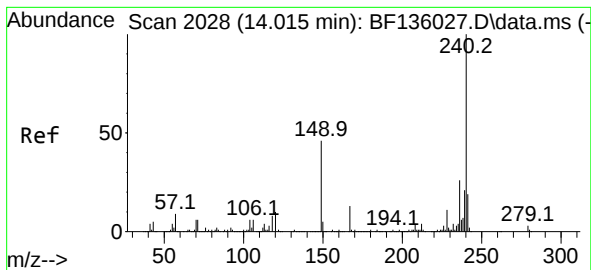
Ion Ratio Lower Upper

202 100

101 8.9 0.0 31.8

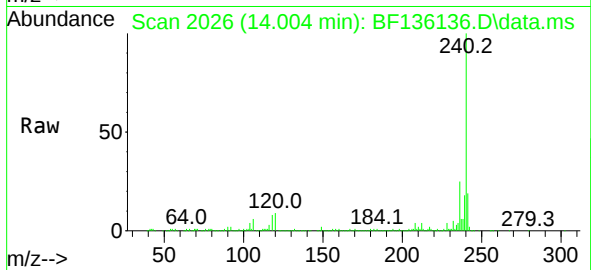
203 17.9 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

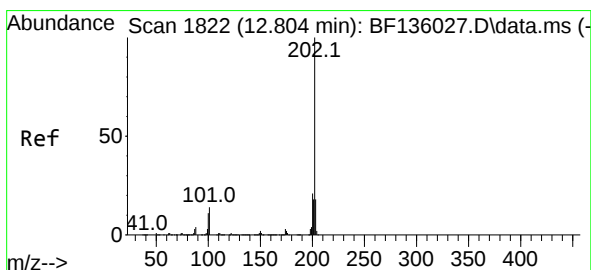
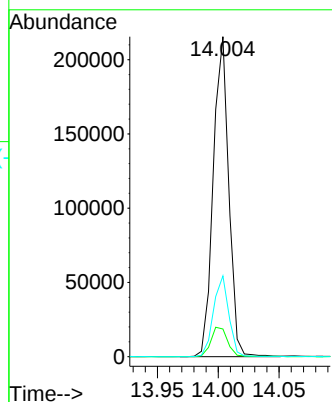
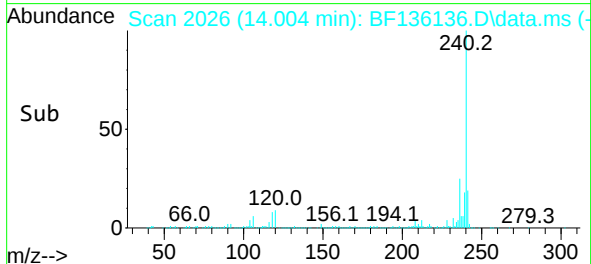
Instrument :
BNA_F
ClientSampleId :
VNJ-211



Tgt Ion:240 Resp: 19145
Ion Ratio Lower Upper
240 100
120 8.7 7.6 11.4
236 25.3 20.6 31.0

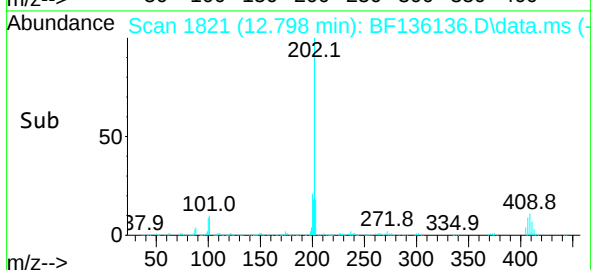
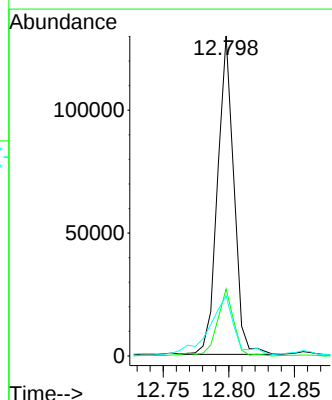
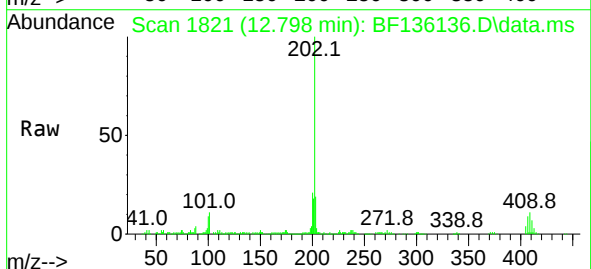
Manual Integrations
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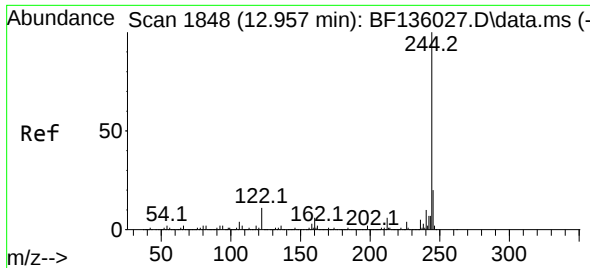
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#78
Pyrene
Concen: 6.631 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

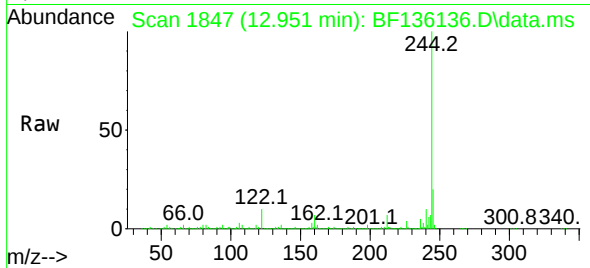
Tgt Ion:202 Resp: 111933
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.8 14.4 21.6





#79
 Terphenyl-d14
 Concen: 63.863 ng
 RT: 12.951 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF136136.D
 Acq: 03 Nov 2023 21:13

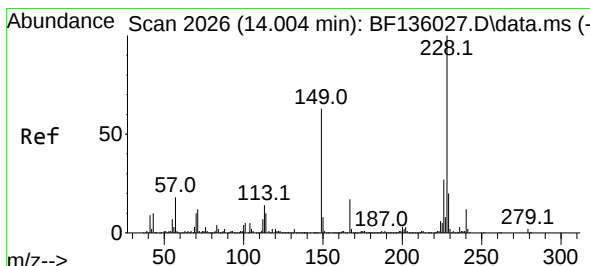
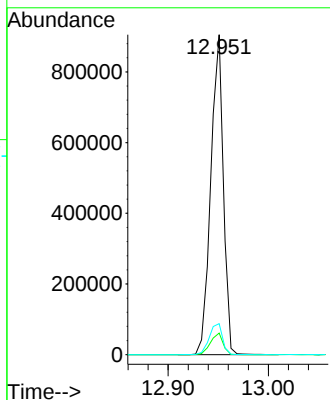
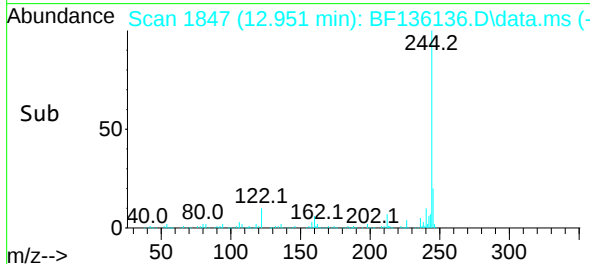
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211



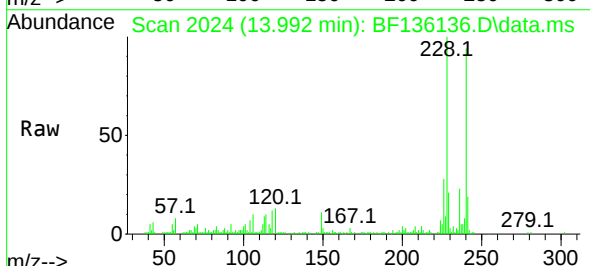
Tgt Ion:244 Resp: 78677
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 9.7 8.6 12.8

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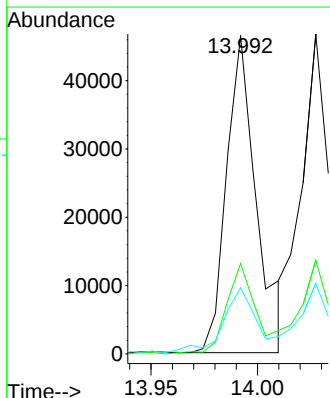
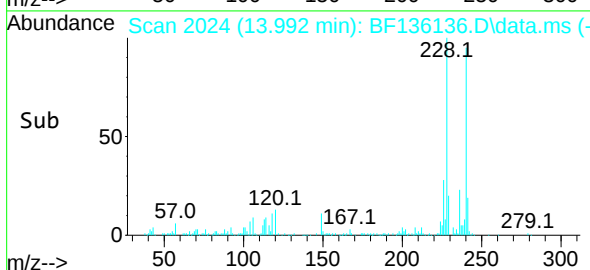
Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

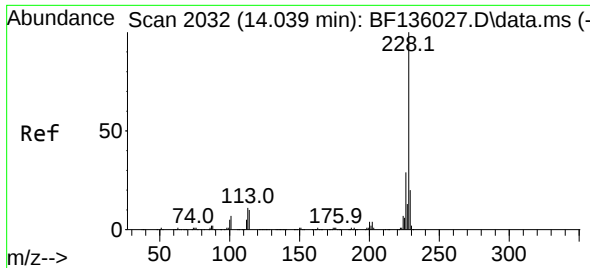


#81
 Benzo(a)anthracene
 Concen: 3.584 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.012 min
 Lab File: BF136136.D
 Acq: 03 Nov 2023 21:13



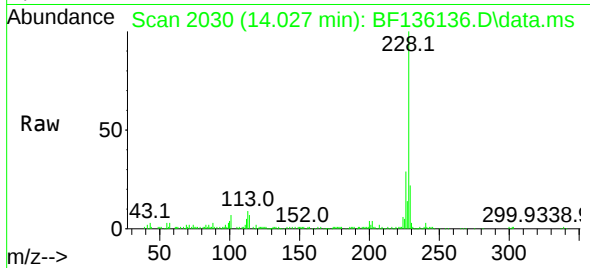
Tgt Ion:228 Resp: 45425
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.5 32.3
 229 20.8 15.8 23.6





#83
Chrysene
Concen: 3.385 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

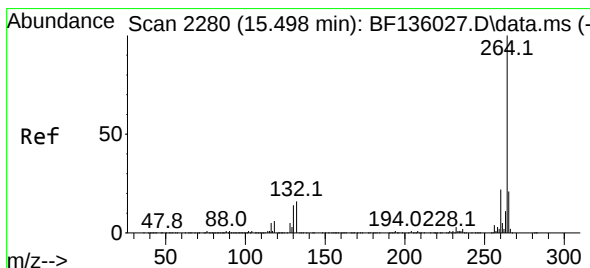
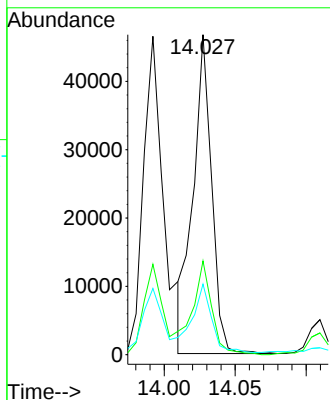
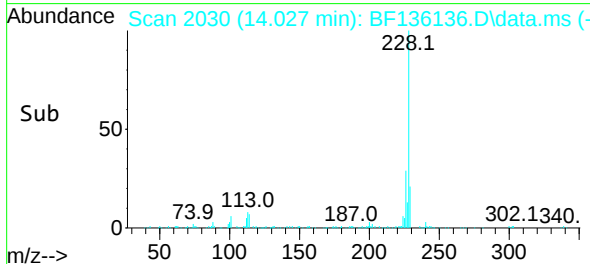
Instrument :
BNA_F
ClientSampleId :
VNJ-211



Tgt Ion:228 Resp: 4224
Ion Ratio Lower Upper
228 100
226 29.3 23.5 35.3
229 22.0 16.0 24.0

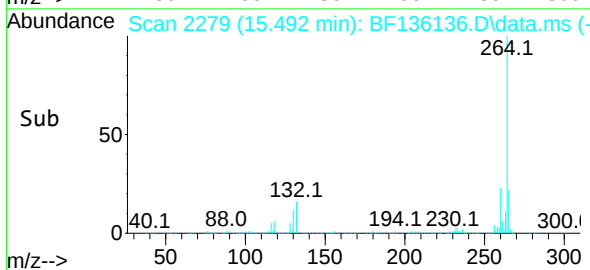
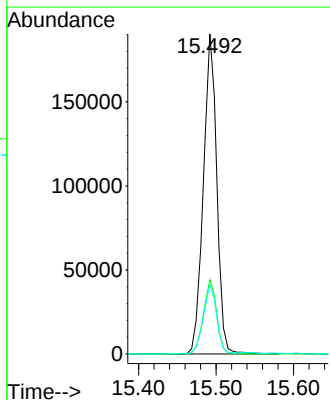
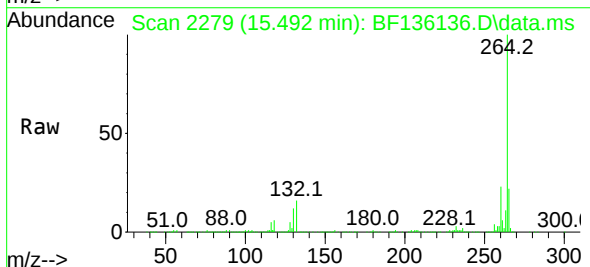
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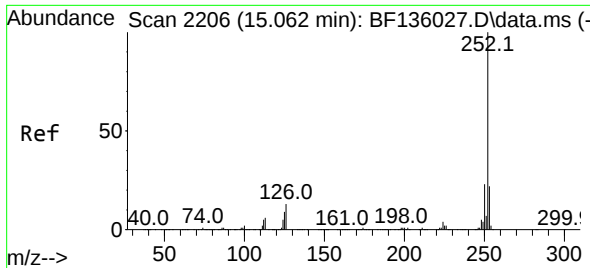
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Tgt Ion:264 Resp: 228902
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 21.7 16.8 25.2





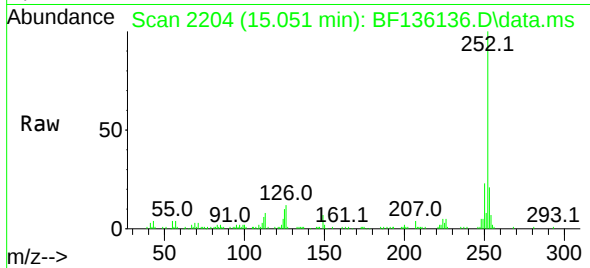
#88
Benzo(b)fluoranthene
Concen: 3.461 ng m
RT: 15.051 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

VNJ-211

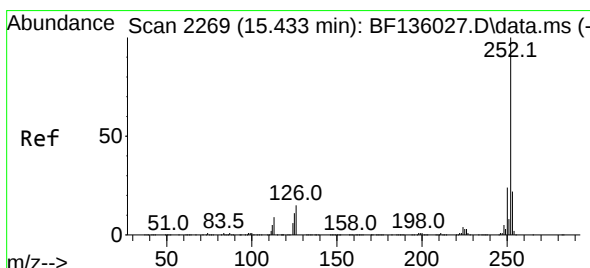
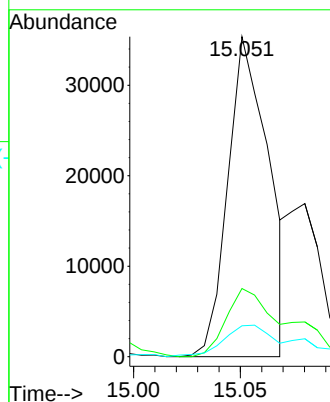
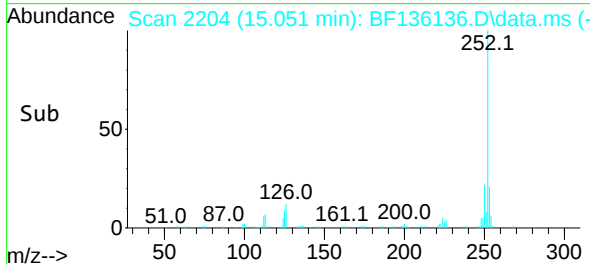


Tgt Ion:252 Resp: 46879
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 9.6 7.5 11.3

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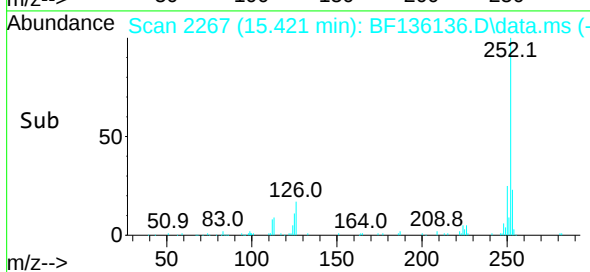
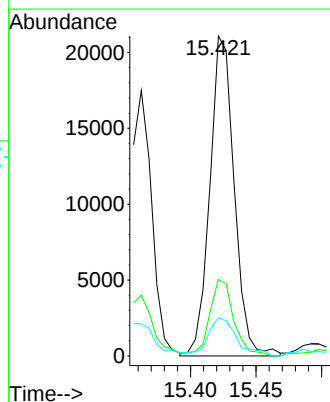
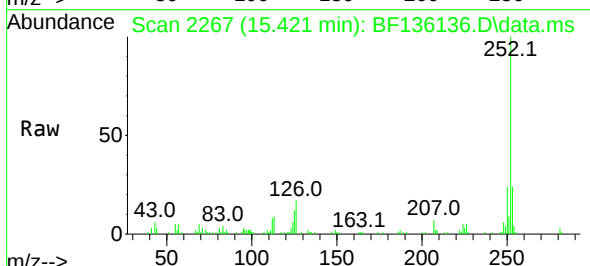
APPROVED

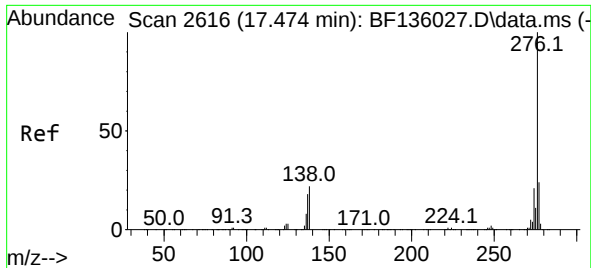
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#90
Benzo(a)pyrene
Concen: 2.168 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

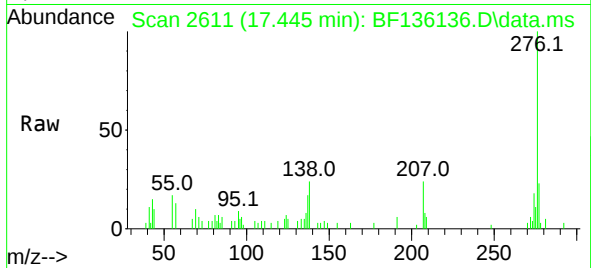
Tgt Ion:252 Resp: 27280
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 11.9 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.758 ng
 RT: 17.445 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF136136.D
 Acq: 03 Nov 2023 21:13

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211



Tgt Ion:	276	Resp:	1281
Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.0	28.4
138	23.9	17.4	26.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

